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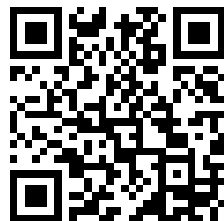
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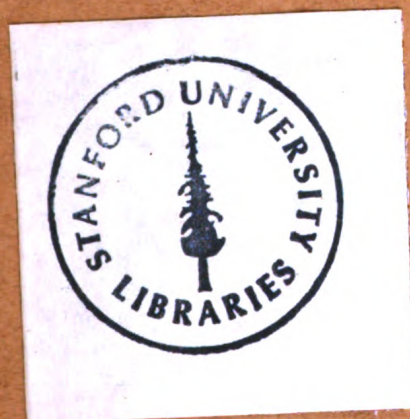
**HOLBROOK, MERRILL & STETSON**

No. 1431

To .....

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**Established 1850**

**Incorporated August 28, 1882**

**Catalogue No. 114**

# **HOLBROOK, MERRILL & STETSON**

**WHOLESALE DEALERS IN,  
MANUFACTURERS AND EXPORTERS OF**

**STOVES, RANGES, METALS, IRON PIPE,  
PUMPS, WINDMILLS,  
HOUSE FURNISHINGS,  
TINNERS' AND PLUMBERS' SUPPLIES**

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## TO THE TRADE

In compiling this Catalogue our principal purpose has been **to furnish information**. We are convinced by long experience and close observation that a catalogue to be valuable must contain something besides pictures, numbers and list prices. You will note that we have gone considerably beyond this, **inserting measurements, capacities, weights, number of articles in a package and in an original case**. For the special convenience of the export trade we have inserted **approximate weights and shipping measurements wherever practicable**, and have also **provided a code word for each and every article described in Catalogue**. It will be found that the latter, when used in connection with the general Code provided in Catalogue, will serve to very materially reduce the expense of cabling or telegraphing orders.

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HOLBROOK, MERRILL & STETSON.

August 1, 1903.





## TERMS

All quotations, unless otherwise stated, are made at our stores in San Francisco, Sacramento and Los Angeles, and are subject to change without notice.

Our terms for parties with approved credit are sixty days net cash or two per cent for cash in ten days.

To all parties who have not a satisfactory commercial rating, our terms are cash with order.

All overdue accounts are subject to sight draft without notice.

All contracts are subject to delays incident to strikes, accidents or causes beyond our control.

Claims for shortage or reduction must be made immediately upon receipt of goods.

No goods taken back or exchanged unless by mutual agreement.

We do not assume responsibility for loss of or damage to goods after obtaining transportation company's receipt in good order.

**We make no charge for cases when goods are ordered in original packages.**

## TELEGRAPH CODE.

For convenience of customers, the following sentences may be used for inquiries concerning orders, shipments, quotations, etc., in conjunction with the Code Words throughout the Catalogue.

Cable Address: "Holmerson."

## ORDERS.

Cladole.....	Add to order
Clepturos.....	Cancel our order
Clericatos.....	Cannot furnish as ordered
Climatal.....	Change to read
Cloddish.....	Duplicate order for
Cloghead.....	Duplicate our last order for
Cloporte.....	Duplicate invoice
Cobertor.....	Get ready. We send order by mail
Cockspur.....	Have cancelled
Codapail.....	Hold order until you receive our letter
Cognitive.....	If not too late, change order to read
Cognobile.....	In addition to our order
Cohibit.....	Include with order
Colafizza.....	Must fill order with
Colateur.....	None of the goods ordered are in stock
Colecta.....	Order to cancel came too late
Collatrabo.....	Please rush order
Columbro.....	What is the earliest date you can fill order
Comparant.....	Use your own judgment about filling order
Comparto.....	Your countermand received. Order cancelled.
Condurdis.....	Can furnish only

## SHIPPING.

Cosmica.....	Are shipping today
Cosmocere.....	Await shipping instructions
Cospirava.....	By what route have you shipped
Cossument.....	Cannot ship in less than
Costanzo.....	Can ship at once on receipt of order
Costilatos.....	Can ship immediately
Costolone.....	Can you ship
Cotovelo.....	Do not ship before hearing from us
Cottonade.....	Do not delay order
Couchez.....	Follow instructions as sent you
Crimofilo.....	Must have prompt shipment
Crisitricce.....	Promise shipment this week
Crispais.....	Send by mail immediately
Criticun.....	Ship at once
Crocifere.....	Ship by express immediately
Crogdal.....	Ship via cheapest route
Crogmar.....	Ship via quickest route
Crofter.....	Ship by first steamer
Crosistas.....	Ship by railroad immediately
Crudarios.....	Ship by sail
Crumbly.....	Ship half on first steamer, balance on next
Crustosi.....	Ship in addition to previous order
Cubetas.....	Ship part at once, remainder to follow
Cubia.....	Ship via Santa Fe R. R.

Cubicados .....	Ship via Southern Pacific R. R.
Cubicafago .....	Ship via Southern Pacific and Northern Pacific
Cubicagom .....	Ship via Southern Pacific and O. R. & N.
Cubigall .....	Ship via Great Northern R. R.
Cubillest .....	Ship via Northern Pacific R. R.
Cubiment .....	Ship via Pacific Coast S. S. Co.
Cubinabo .....	Ship via Pacific Coast S. S. Co. and Great Northern R. R.
Cubineed .....	Ship via Pacific Coast S. S. Co. and Northern Pacific R. R.
Cubiphare .....	Ship via Oregon R. & Nav. Co.
Cubirrod .....	Ship via Pacific Mail S. S. Co.
Cubiscay .....	Ship via Occidental & Oriental S. S. Co.
Cubitane .....	Ship via Toyo Kisen Kaisha S. S. Co.
Cubitick .....	Ship via Oceanic S. S. Co.
Cuboard .....	Ship via Kosmos S. S. Line
Cuboden .....	Ship via American-Hawaiian S. S. Co.
Cubofame .....	Ship via Hawaiian Line of sailing vessels
Cubokid .....	Ship via Planters Line of Sailing vessels
Cubollar .....	Ship via Spreckels Line of sailing vessels
Cubombat .....	Ship via China-Commercial S. S. Co.
Cubonist .....	Ship via San Pedro, Los Angeles & Salt Lake R. R.
Cultiver .....	Shipment can be made within
Cumbulis .....	Shipment has been forwarded
Cupivista .....	Shipping instructions by letter
Cursitatum .....	When can you ship for certain
Curtana .....	Will be shipped at once as ordered
Curtsy .....	Will ship

## QUOTATIONS.

Defamibus .....	Are quotations of.....now good
Defecano .....	As per prices quoted
Defendias .....	At what price and how soon can you furnish
Deforas .....	For immediate acceptance
Deforsor .....	For immediate acceptance by telegraph
Defoul .....	For this order only we quote
Delicater .....	Order subject to quotation of
Delubris .....	Prices are withdrawn
Delustro .....	Prices good till
Demagoras .....	Prices quoted are net cash
Demancher .....	Prices quoted subject to discount of
Demerged .....	Quote lowest price and state earliest delivery
Demigola .....	Quote price by mail
Demigras .....	Quote price by wire
Demorsita .....	Send us new prices
Demoticas .....	Subject to change without notice
Denticis .....	These quotations will be good for
Denudated .....	This is a special price
Depecege .....	We quote in reply to your inquiry by letter of
Depellis .....	We quote in reply to your inquiry by telegram of
Depositions .....	Will send new price by mail
Depravant .....	Will wire you new price



Following Table shows Code Words for Quantities: by Numbers, Dozen, Gross, Pounds, Tons or Feet.

		DOZEN.	GROSS.	POUNDS.	TONS OF 2000 LBS.	FEET.
¼	Abagarus	Acibar	Acineta	Acladas	Acolabure	Amabas
½	Abalizo	Acibarado	Acineux	Aclade	Acolacent	Amabit
¾	Abandero	Acibaraís	Acinippo	Acladios	Acoladry	Amacare
1	Abanican	Acibaroso	Acinopes	Aclamador	Acolaga	Amache
1½	Abap	Aciberaba	Acinosos	Aclamar	Acolagist	Amacollar
2	Abarcamo	Aciberar	Acinosum	Aclamaron	Acolaird	Amacores
2½	Abaritam	Acibero	Acintado	Aclamases	Acolakme	Amadatha
3	Abarroto	Acicalan	Acintli	Aclamaste	Acolally	Amadinás
3½	Abasis	Acicales	Acinule	Aclamo	Acolament	Amadotta
4	Abast	Acicalo	Acinulos	Aclarado	Acolamich	Amadrina
4½	Abatard	Acicate	Acioas	Aclasto	Acolamore	Amagostar
5	Abatimos	Aciculatad	Aciotis	Aclavillas	Acolante	Amagues
5½	Abators	Acidulias	Acipadas	Aclimatan	Acolanzo	Amalaban
6	Abavorum	Acidalie	Acipha	Aclinico	Acolappis	Amalago
6½	Abayant	Acidaro	Aciphore	Acliode	Acoledir	Amalias
7	Abbacare	Acidates	Acirates	Aclisia	Acoleere	Amalocia
7½	Abbacken	Acidetta	Acisba	Aclocado	Acolegite	Amanares
8	Abbade	Acidifere	Acisculi	Aclocar	Acolemmo	Amancebo
8½	Abbatic	Acidifiant	Acisele	Aclope	Acolerige	Amancio
9	Abbin	Acidifico	Acistico	Acloquen	Acoliable	Amandavi
9½	Abbombo	Acidifique	Acilout	Aclouet	Acoliant	Amanderis
10	Abbonito	Acidinus	Acitron	Aclydem	Acolibber	Amandier
11	Abbracio	Acidiser	Acker	Aclydis	Acolictor	Amanicum
12	Abbroch	Acidonte	Ackerbeet	Aclys	Acolidur	Amansum
13	Abdalas	Acidorum	Ackergaul	Acmanite	Acoligny	Amantesco
14	Abdenago	Acidotone	Ackergras	Acmastico	Acolimbo	Amanza
15	Abdico	Acidulado	Ackerhof	Acmelias	Acolissom	Amarasca
16	Abducido	Acidulous	Ackerkle	Acmelle	Acolithic	Amarendo
17	Abduzo	Acidulum	Ackerland	Acmena	Acollecto	Amargoso
18	Abeel	Acidume	Ackermass	Acmenes	Acollind	Amarissi
19	Abeggen	Acidurgia	Ackerochs	Acmenidi	Acolorine	Amartelo
20	Abelasir	Acierant	Ackerrabe	Acnocere	Acolunare	Amasonie
25	Abendzug	Acieureux		Acnatero		Amazonas
30	Abexing	Aciertas		Acnephale		Ambicus
35	Abianus	Acies		Acnestis		Ambotrace
40	Abimant	Acifillas		Acniste		Ambulatos
45	Abiacto	Aciform		Acnuam		Amemos
50	Abluent	Acigne		Acoalto		Amerinos
55	Abner			Acbardo		Amictico
60	Abolani			Acocat		Amiral
65	Aboon			Acocheis		Ammah
70	Abraider			Acochino		Amoando
75	Abringen			Acodalas		Amoletis
80	Abumas			Acodalo		Amorgi
85	Absocer			Acodilles		Ampanon
90	Absuper			Acodillo		Amputato
95	Aburrido			Acoello		Amusante
100	Acabados			Acoetes		Anacope
150	Acabando			Acogedizo		Anacrisis
200	Acabramo			Acogedor		Anademio
250	Acacetos			Acogeis		Anadido
300	Acadien			Acogidas		Anadose
400	Acaristo			Acognosie		Anafeste
500	Acarpia			Acogollar		Anafres
600	Acartum			Acogollo		Anagenita
700	Acastide			Acogombro		Anaglifo
800	Acatado			Acogotais		Anaklet
900	Acataron			Acogotar		Analect
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## SECTION 1.

ALUMINUM WARE.

PLAIN DEEP STAMPED WARE.

RETINNED DEEP STAMPED WARE.

SHALLOW STAMPED WARE.



# HOLBROOK, MERRILL & STETSON,

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK.



## ALUMINUM WARE.

We carry only a limited assortment of such articles as are most salable, and will add to these from time to time.

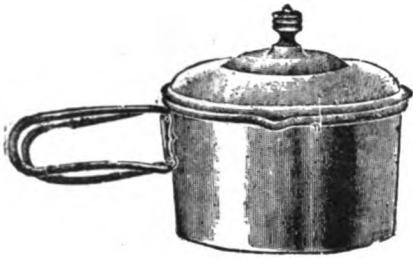
## PLAIN AND RETINUED STAMPED WARE.

Our assortment in this line is the most complete one carried by any jobber. Our stock is of the best quality and finish obtainable.

In ordering these goods by telegraph it is only necessary to use the code word over the number or size of the article wanted in this section, preceded by words from telegraphic code in front of this book.

Example: Cladole acinopes fagarsis.

Translation: Add to order one gross 17 quart 3X Dish Pans.



### COLLAPSIBLE ALCOHOL BOILERS.

Code.....	Faage
Number.....	<b>960</b>
Capacity, pint.....	1
Top diameter, inches.....	4 ½
Height, inches.....	2 ¾
Per dozen .....	<b>\$22 00</b>
Weight per doz., lbs.....	4

One dozen in a box.



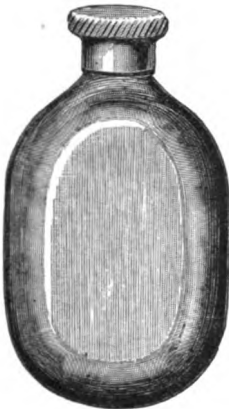
Cut Shows Style Engraved.

### DRINKING CUPS.

SATIN FINISHED. POLISHED RIM.

Code .....	Faagsch	Faagster
Numbers.....	<b>1000 Plain</b>	<b>1000 Engraved</b>
Capacity, pint.....	½	½
Height, inches.....	3	3
Top diameter, inches.....	3	3
Per dozen.....	<b>\$4.00</b>	<b>5.80</b>
Weight per doz., lbs.....	¾	¾

One dozen in a box.

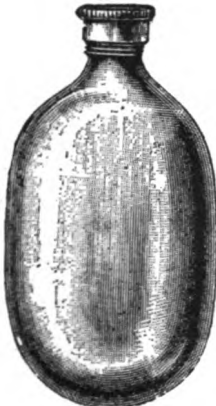


### FLASKS.

SEAMLESS. SCREW TOP.

Code.....	Faalders
Number.....	<b>950</b>
Capacity, pint.....	½
Height, inches.....	4 ¾
Width, inches.....	2 ¾
Per dozen .....	<b>\$16.00</b>
Weight per doz., lbs.....	1 ½

Two dozen in a box.



### FLASKS.

SEAMLESS. SCREW TOP.

Code.....	Faarboven
Number.....	<b>951</b>
Capacity, pint.....	1
Height, inches.....	6
Width, inches.....	3 ¼
Per dozen .....	<b>\$22 00</b>
Weight per doz., lbs.....	3

One dozen in a box.

**FUNNELS.**

POLISHED.

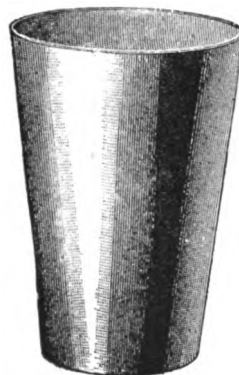
Code.....	Faarom	Faaruit	Fabacht	Fabagio	Fabalia
Numbers.....	<b>1600</b>	<b>1601</b>	<b>1602</b>	<b>1603</b>	<b>1604</b>
Ounces.....	1	3	5	8	10
Capacity.....	½ gill	1 gill	½ pt.	1 pt.	2 pts.
Diam., inches	2¾	3¼	3¾	3¾	4¾
Per dozen....	\$2.50	5.26	6.00	7.50	10.50
Wt. per doz., lbs.	⅓	½	¾	1	1¼

**LEMONADE SHAKERS.**

POLISHED.

Code.....	Fabaloid
Number.....	<b>1535</b>
Height, inches.....	6
Top diameter, inches.....	3¾
Per dozen.....	\$6.50
Weight per doz., lbs.....	1¼

One dozen in a package.

**ROUND SERVER OR TRAY.**

POLISHED EDGE.

Code.....	Fabampo	Fabanet
Numbers.....	<b>418</b>	<b>418 R</b>
Diameter, inches.....	12	12
Style.....	Satin Finish	Rubberoid Finish
Per dozen.....	\$27.00	22.00
Weight per doz., lbs.....	4	4½

One-half dozen in a package.



Cut Shows Style No. 418.

**MILK OR RICE BOILERS.**

RETINNED. SEAMLESS INSIDE BOILERS.



Code.....	Fabantic	Fabanzar	Fabapsum
Numbers.....	1	2	3
Inside boiler, quarts.....	1	1½	1¾
Bottom diameter, inches.....	6¾	7¾	8¾
Per dozen.....	\$22.90	25.90	29.00
1 doz. packed, lbs.....	25	30	35

Code.....	Fabargali	Fabasilo	Fabatica
Numbers.....	4	5	6
Inside boiler, quarts.....	2	3	5
Bottom diameter, inches.....	9½	9½	11
Per dozen.....	\$32.00	36.60	48.80
1 doz. packed, lbs.....	50	55	85

One in a package.

**MILK OR RICE BOILERS.**RETINNED. OUTSIDE AND INSIDE VESSELS SEAMLESS.  
COVER FITS BOTH VESSELS.

Code.....	Fabcate	Fabchize	Fabchura	Fabcones
Numbers.....	52	53	54	56
Inside boiler, quarts.....	1	2	3	4
Bottom diam., inches.....	6	7	8	9
Per dozen.....	\$27.40	33.50	38.10	51.80
1 doz. packed, lbs....	30	40	50	60

One in a package.

**CEREAL AND  
FRUIT COOKERS.**SEAMLESS. TIN COVER. OUTSIDE VESSEL RETINNED.  
INSIDE VESSEL BLUE AND WHITE ENAMELED.

Code.....	Fabdaker	Fabdasch	Fabdiac	Fabdible
Numbers.....	152	153	154	156
Inside vessel, pints....	2	4	6	8
Bottom diam., inches.....	6	7	8	9
Each.....	\$1.30	1.70	2.10	2.50
Weight each, lbs.....	1¾	2	3½	3½

One in a package.

**DIPPER BOWLS—IC.**

PLAIN.



Code.....	Fabeden	Fabegam	Fabegass	Fabegate	Fabegiez
Numbers.....	0	2	4	5	7
Quarts.....	¼	½	1	2	4
Inches.....	4x1¾	4¾x2½	5¾x2½	5¾x2¾	7x3¼
Per dozen.....	\$1.00	1.30	1.80	2.10	3.50
Wt per doz., lbs.	1	1½	2¼	2¾	4

Three dozen in a package.

**DIPPER BOWLS—IC.**

RETINNED.

Code ..	Fabelos	Fabenzin	Fabepos	Fabepoti	Fabeptium
Numbers.....	0	2	4	5	7
Quarts.....	$\frac{1}{4}$	$\frac{1}{2}$	1	2	4
Inches.....	4x1 $\frac{7}{8}$	4 $\frac{3}{4}$ x2 $\frac{1}{8}$	5 $\frac{3}{16}$ x2 $\frac{1}{2}$	5 $\frac{3}{4}$ x2 $\frac{3}{8}$	7x3 $\frac{1}{4}$
Per dozen.....	\$1.50	2.10	2.50	2.80	4.80
Wt. per doz., lbs.	1	1 $\frac{1}{2}$	2 $\frac{1}{4}$	2 $\frac{3}{4}$	4

Three dozen in a package.

**DIPPER HANDLES.**

PLAIN. RINGED.

Code.....	Fabeturi	Fabepuno	Faberado	Faberent
Numbers.....	1	3	4	6
Size dippers, quarts...	$\frac{1}{4}$ or $\frac{1}{2}$	1	2	4
Length, inches.....	9 $\frac{1}{8}$	9 $\frac{3}{4}$	9 $\frac{7}{8}$	11 $\frac{5}{8}$
Per dozen.....	\$1.00	1.10	1.10	1.20
Weight per doz., lbs...	1	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$

Three dozen in a package.

**WASH BOWLS—IC.**

PLAIN. WITH RINGS.

Code.....	Faberito	Fabetung	Fabescam	Fabescunt	Fabetada
Numbers.....	6	6 $\frac{1}{2}$	7	7 $\frac{1}{2}$	8
Inches.....	10	10 $\frac{1}{2}$	11 $\frac{1}{8}$	12 $\frac{3}{8}$	13
Per dozen.....	\$2.30	2.80	3.10	3.60	4.10
12 doz. packed, lbs.	60	65	73	82	97

One dozen in a package.

**WASH BOWLS—IC.**

RETINNED. WITH RINGS.

Code ..	Fabetero	Fabetonas	Fabetone	Fabetzen
Numbers.....	6 $\frac{1}{2}$	7	7 $\frac{1}{2}$	8
Inches.....	10 $\frac{1}{2}$	11 $\frac{1}{8}$	12 $\frac{3}{8}$	13
Per dozen.....	\$4.10	4.60	5.30	6.10
12 doz. packed, lbs....	68	78	91	103

One dozen in a package.

**WASH BOWLS—IX.**

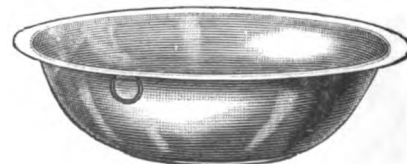
PLAIN. WITH RINGS.

Code ..	Fabevador	Fabevano	Fabevole
Numbers.....	12	13	14
Inches.....	9 $\frac{7}{8}$	10 $\frac{1}{2}$	11 $\frac{1}{4}$
Per dozen.....	\$3.10	3.80	4.30
12 doz. packed, lbs.....	70	75	91

Code.....	Fabgaben	Fabgadil	Fabgang
Numbers.....	15	16	17
Inches.....	12 $\frac{3}{8}$	13 $\frac{1}{8}$	13 $\frac{7}{8}$
Per dozen.....	\$4.80	5.40	6.10
12 doz. packed, lbs.....	104	120	130

One dozen in a package.



**WASH BOWLS—IX.**

RETINNED. WITH RINGS.

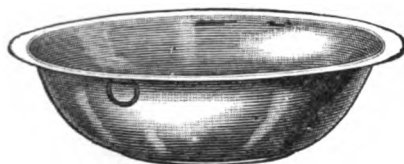


Code.....	Fabgapt	Fabgapen	Fabgarid
Numbers .....	<b>12</b>	<b>13</b>	<b>14</b>
Inches.....	9 $\frac{1}{4}$	10 $\frac{1}{2}$	11 $\frac{1}{4}$
Per dozen .....	\$4.60	5.10	5.60
12 doz. packed, lbs.....	75	80	95
Code.....	Fabgebet	Fabgeest	Fabgeesi
Numbers .....	<b>15</b>	<b>16</b>	<b>17</b>
Inches.....	12 $\frac{3}{8}$	13 $\frac{3}{8}$	13 $\frac{7}{8}$
Per dozen .....	\$6.40	7.10	8.10
12 doz. packed, lbs.....	108	126	135

One dozen in a package.

**WASH BOWLS—IXXX.**

HEAVY RETINNED. WITH RINGS.



Code.....	Fabgewalt	Fabgich	Fabgist
Numbers .....	<b>028</b>	<b>030</b>	<b>032</b>
Inches.....	11 $\frac{1}{4}$	12 $\frac{3}{8}$	13 $\frac{3}{8}$
Per dozen.....	\$7.20	8.20	9.20
12 doz. packed, lbs.....	110	127	150

One dozen in a package.

**Shipping Measurements of Wash Bowls:**

Size, inches.....	10	10 $\frac{1}{2}$	11 $\frac{1}{4}$	12 $\frac{3}{8}$	13 $\frac{3}{8}$	13 $\frac{7}{8}$
12 doz. packed, cubic ft.	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$	3

**COLANDERS.**

RETINNED. FEET LOOSE.



Code .....	Fabgold	Fabgorice	Fabgrond	Fabgunst
Numbers.....	<b>104</b>	<b>205</b>	<b>306</b>	<b>407</b>
Inches .....	9 $\frac{1}{2}$	10 $\frac{1}{2}$	11 $\frac{1}{2}$	13
Per dozen.....	\$6.60	7.10	8.10	9.20
12 doz. packed, lbs...	90	100	110	133

One-half dozen in a package.

**COLANDERS.**

RETINNED. FEET FAST.



Code.....	Fabibono	Fabicale	Fabicots	Fabidness
Numbers .....	<b>104</b>	<b>205</b>	<b>306</b>	<b>407</b>
Inches.....	9 $\frac{1}{2}$	10 $\frac{1}{2}$	11 $\frac{1}{2}$	13
Per dozen .....	\$7.60	8.10	9.10	10.20
12 doz. packed, lbs...	100	115	120	142

One-half dozen in a package.

**FAMILY COLANDERS.**

RETINNED. FEET FAST.

Code.....	Fabidorum	Fabiendo	Fabifcos
Numbers.....	<b>1205</b>	<b>1806</b>	<b>1407</b>
Inches.....	10 ½ x 4 ¼	11 x 4 ¾	12 x 5 ¼
Per dozen.....	\$10.40	11.30	12.30
Weight per doz., lbs.....	8	9	10 ¼

One-half dozen in a package.

**FRENCH COLANDERS.**

RETINNED. LONG HANDLES.

Code.....	Fabigrass	Fabikoos	Fabiolo	Fabipato
Numbers.....	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>
Inches.....	6 x 2 ¾	6 ½ x 3 ½	7 x 3 ¾	8 x 3 ¾
Per dozen.....	\$5.70	6.40	7.20	8.40
Weight per doz., lbs....	3 ½	4	4 ¼	6

Code.....	Fabirte	Fabitant	Fabizen
Numbers.....	<b>20</b>	<b>22</b>	<b>24</b>
Inches.....	8 ½ x 4 ¼	9 ½ x 4 ¼	9 ¾ x 4 ½
Per dozen.....	\$9.40	11.30	13.20
Weight per doz., lbs.....	8 ¼	10 ¼	12

One-half dozen in a package.

**DRINKING CUPS—LIGHT.**

PLAIN. RIVETED HANDLES.

Code.....	Fablanti	Fablaria	Fablavius
Numbers.....	<b>08</b>	<b>09</b>	<b>010</b>
Pints.....	½	¾	1
Inches.....	3 ¾ x 2	3 ¾ x 2 ¼	4 ¼ x 2 ¾
Per dozen.....	\$1.30	1.50	1.60
12 doz. packed, lbs.....	25	30	35

One-half dozen in a package.

**DRINKING CUPS—LIGHT.**

RETINNED. RIVETED HANDLES.

Code.....	Fablecken	Fablefaro	Fablegant	Fablegari
Numbers.....	<b>08</b>	<b>09</b>	<b>010</b>	<b>011</b>
Pints.....	½	¾	1	1 ½
Inches.....	4 x 1 ¾	4 ½ x 2 ¾	4 ½ x 2 ¾	4 ¾ x 2 ¾
Per dozen.....	\$1.80	2.00	2.20	2.60
12 doz. packed, lbs..	27	30	35	40

One-half dozen in a package.





**DRINKING CUPS—HEAVY.**

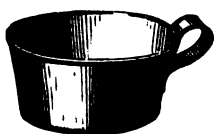
RETINNE. RIVETED HANDLES.

Code.....	Fabobern	Fabobia	Fabocomo	Fabodonal
Numbers.....	8	9	10	11
Pints.....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$
Inches.....	$3\frac{3}{4} \times 2$	$4\frac{1}{4} \times 2\frac{1}{4}$	$4\frac{1}{2} \times 2\frac{1}{4}$	$5 \times 2\frac{1}{2}$
Per dozen.....	\$2.40	2.50	2.60	3.20
12 doz. packed, lbs...	30	33	38	43

One-half dozen in a package.

**STRAIGHT DRINKING CUPS—HEAVY.**

RETINNE. RIVETED HANDLES.



Code.....	Fabogato	Fabogava	Fabogher	Fabolied
Numbers.....	14	15	16	17
Pints.....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$
Inches.....	$3\frac{1}{2} \times 2$	$3\frac{3}{4} \times 2\frac{3}{4}$	$4 \times 2\frac{3}{4}$	$4\frac{3}{8} \times 2\frac{3}{8}$
Per dozen.....	\$2.10	2.30	2.60	3.00
12 doz. packed, lbs..	30	33	38	43

One-half dozen in a package.

**STRAIGHT CUPS.**

RETINNE. SEAMLESS. RIVETED HANDLES.



Code.....	Fabomago	Fabomeiza
Numbers.....	21	23
Pints.....	$\frac{1}{2}$	1
Inches.....	$3\frac{1}{2} \times 2\frac{1}{4}$	$4 \times 2\frac{1}{2}$
Per dozen.....	\$2.20	2.50
12 doz. packed, lbs.....	30	40

One-half dozen in a package.

**CALIFORNIA CUPS.**

PLAIN. RIVETED HANDLES.



Code.....	Fabonem	Fabongen
Numbers.....	2	4
Pints.....	1	2
Inches.....	$4\frac{3}{4} \times 2\frac{1}{4}$	$5\frac{3}{8} \times 2\frac{1}{2}$
Per dozen.....	\$1.60	2.10
12 doz. packed, lbs.....	30	40

One-half dozen in a package.

**CALIFORNIA CUPS.**

RETINNE. RIVETED HANDLES.



Code.....	Fabontine	Faboribus
Numbers.....	2	4
Pints.....	1	2
Inches.....	$4\frac{3}{4} \times 2\frac{1}{8}$	$5\frac{3}{8} \times 2\frac{1}{2}$
Per dozen.....	\$2.10	2.90
12 doz. packed, lbs.....	30	40

One-half dozen in a package.

**MUFFIN CUPS.**

PLAIN.

Code.....	Fabsack	Fabsalzen
Numbers.....	<b>07</b>	<b>08</b>
Inches.....	3x1 $\frac{5}{8}$	4x2
Per dozen.....	\$0.70	.90
Weight per doz., lbs.....	$\frac{5}{8}$	1

One dozen in a package..

**MUFFIN CUPS.**

RETINNED.

Code.....	Fabsassi	Fabsabit
Numbers.....	<b>07</b>	<b>08</b>
Inches.....	3x1 $\frac{5}{8}$	4x2
Per dozen.....	\$1.00	1.60
Weight per doz., lbs.....	$\frac{5}{8}$	1

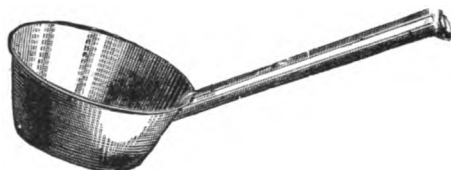
One dozen in a package.

**WATER DIPPERS.**

PLAIN.

Code.....	Fabsegel	Fabsemus	Fabsermo	Fabsitos
Numbers.....	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>
Pints.....	1	1 $\frac{1}{2}$	2	4
Inches.....	4 $\frac{1}{8}$ x 2 $\frac{1}{8}$	5 x 2 $\frac{1}{4}$	5 $\frac{3}{8}$ x 2 $\frac{1}{2}$	5 $\frac{3}{4}$ x 2 $\frac{3}{8}$
Per dozen.....	\$2.10	2.40	2.60	2.90
12 doz. packed, lbs....	45	50	55	65

One-half dozen a package.

**WATER DIPPERS.**

RETINNED.

Code.....	Fabsolin	Fabsorum	Fabstand	Fabstar
Numbers.....	<b>30</b>	<b>31</b>	<b>32</b>	<b>33</b>
Pints.....	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$
Inches.....	4 $\frac{1}{8}$ x 1 $\frac{1}{8}$	4 $\frac{1}{4}$ x 2	4 $\frac{3}{4}$ x 2 $\frac{1}{8}$	5 x 2 $\frac{1}{4}$
Per dozen.....	\$2.20	2.50	2.80	3.00
12 doz. packed, lbs....	35	40	50	55

Code.....	Fabstate	Fabstern	Fabstille
Numbers.....	<b>34</b>	<b>35</b>	<b>36</b>
Pints.....	2	4	6
Inches.....	5 $\frac{3}{8}$ x 2 $\frac{1}{2}$	5 $\frac{3}{4}$ x 2 $\frac{3}{8}$	6 $\frac{1}{2}$ x 3 $\frac{1}{8}$
Per dozen.....	\$3.40	4.00	4.90
12 doz. packed, lbs.....	57	65	80

One-half dozen in a package.



**FAMILY DIPPERS.**

RETINNED. EXTRA HEAVY. IMPROVED ROUND HANDLES, RIVETED.

Code .....	Fabtable	Fabtafel	Fabtamen	Fabtaposi
Numbers .....	<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>
Quarts .....	1	2	3	4
Inches .....	5x2 $\frac{3}{4}$	5 $\frac{1}{4}$ x3	6x3 $\frac{1}{4}$	7x3 $\frac{1}{2}$
Per dozen .....	\$4.30	5.10	6.40	8.00
12 doz. packed, lbs.....	60	75	95	110

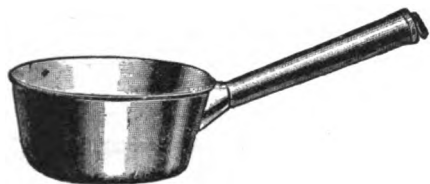
One-half dozen in a package.

**LAUNDRY DIPPERS.**

RETINNED.

Code .....	Fabtardi
Number.....	<b>120</b>
Quarts .....	4
Inches.....	8 $\frac{1}{2}$ x3 $\frac{3}{4}$
Per dozen.....	\$10.40
12 doz. packed, lbs.....	136

One-quarter dozen in a package.

**CORRUGATED FUNNELS.**

PLAIN.

Code .....	Fabtator	Fabtecer	Fabtellu
Numbers .....	<b>1</b>	<b>2</b>	<b>3</b>
Quart .....	$\frac{1}{4}$	$\frac{1}{2}$	1
Per dozen.....	\$1.50	1.80	2.50
12 doz. packed, lbs.....	20	27	35

Code .....	Fabtenza	Fabtidas
Numbers .....	<b>4</b>	<b>5</b>
Quarts .....	2	4
Per dozen.....	\$3.60	4.60
12 doz., packed, lbs.....	57	86

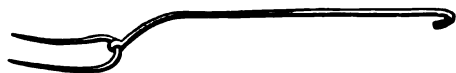
One dozen in a package.

**FLESH FORKS.**

RETINNED. TWO-PRONGED.

Code .....	Fabtique	Fabtirsi	Fablista
Inches.....	<b>18</b>	<b>15</b>	<b>18</b>
Per dozen .....	\$3.00	3.40	3.80
Weight per doz., lbs.....	2 $\frac{3}{8}$	3 $\frac{3}{8}$	4 $\frac{3}{8}$

One-half dozen in a package.

**FLESH FORKS.**

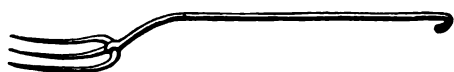
RETINNED. THREE-PRONGED.

Code .....	Fabtivum	Fabtoir	Fabtorst
Inches.....	<b>18</b>	<b>15</b>	<b>18</b>
Per dozen.....	\$3.40	3.80	4.50
Weight per doz., lbs.....	2 $\frac{1}{2}$	3 $\frac{1}{2}$	4 $\frac{3}{4}$

Code.....	Fabtrapt	Fabtronc	Fabtucof
Inches.....	<b>20</b>	<b>22</b>	<b>24</b>
Per dozen.....	\$5.30	6.80	8.40
Weight per doz., lbs.....	6	7 $\frac{1}{4}$	8 $\frac{3}{4}$

One-half dozen in a package.



## WOOD HANDLED FLESH FORKS.

RETINNED. TWO-PRONGED.

Code.....	Fabuncar	Fabunstig
Numbers.....	<b>118</b>	<b>116</b>
Inches.....	13	16
Per dozen.....	\$3.80	4.20
Weight per doz., lbs.....	3	3½

One-half dozen in a package.



## WOOD HANDLED FLESH FORKS.

RETINNED THREE-PRONGED.

Code.....	Fabutare	Fabutzen
Numbers.....	<b>118</b>	<b>116</b>
Inches.....	13	16
Per dozen.....	\$4.20	4.50
Weight per doz., lbs.....	3	3½

One-half dozen in a package.



## PASTE JAGGERS.

RETINNED.

Code.....	Facadico
Number.....	<b>10</b>
Inches.....	4
Per dozen.....	\$1.20
Weight per doz., lbs.....	¾

Three dozen in a box.



## PASTE JAGGERS.

POLISHED BRASS.

Code.....	Facalabo
Number.....	<b>200</b>
Inches.....	4
Per dozen.....	\$3.00
Weight per doz., lbs.....	¾

One dozen in a box.



## BEADED SAUCE PAN COVERS.

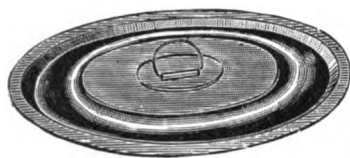
RETINNED. RING HANDLES.

Code.....	Facaline	Facambes	Facannis	Facanthem	Facaposi
Numbers.....	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>
Inside flange, inch	4¼	5¼	6	6½	7¼
Per dozen.....	\$1.60	2.00	2.10	2.40	2.80
Wt. per doz., lbs.	1	1½	1½	2	2¼

Code.....	Facappen	Facarazo	Facarden	Facarias	Facarrab	Facarrola	Facasabo	Facatry
Numbers.....	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>	<b>36</b>
Inside flange, inches.....	8	8½	9	10½	11	12	12¾	14
Per dozen.....	\$3.20	3.40	3.70	4.80	5.30	6.30	6.90	8.40
Weight per doz., lbs.....	2¾	3¼	3½	4	4¾	5¾	6½	9¼

One-half dozen in a package.



**HEMMED POT COVERS.**

PLAIN. WITH RINGS.

Code.....	Facegaro	Fachabor	Fachaft	Fachalg	Fachandik	Fachasch
Outside, inches.....	7½	7¾	8	8½	8¾	9
Per dozen.....	\$1.40	1.50	1.50	1.70	1.70	1.80
Weight per doz., lbs.....	1½	1¾	2	2½	2½	2½
Code.....	Facheff	Facheind	Facherr	Faciditz	Facidor	Facific
Outside, inches.....	9¼	9½	9¾	10	10¼	10½
Per dozen.....	\$1.90	1.90	2.00	2.20	2.30	2.40
Weight per doz., lbs.....	2½	2½	2¾	3	3	3
Code.....	Facificum	Faciles	Fackanet	Fackazos	Fackegel	Fackidas
Outside, inches.....	10¾	11	11¼	11½	11¾	12
Per dozen.....	\$2.50	2.50	2.70	2.80	2.90	3.10
Weight per doz., lbs.....	3½	3½	3½	3½	3¾	4
Code.....	Facklomp	Facknil	Fackomen	Faonder	Faconite	Facosten
Outside, inches.....	12¼	12½	12¾	13	13¼	13½
Per dozen.....	\$3.20	3.30	3.40	3.60	3.80	4.10
Weight per doz., lbs.....	4¾	4½	4½	4¾	5½	6

One dozen in a package.

**"UNITED STATES" PATENT POT COVERS.**

PLAIN. HANDLED. WITH PATENT CATCHES.

A black and white illustration of a man in a plaid coat looking at a clock. The clock is round with a face showing numbers and hands. The man is shown from the chest up, looking intently at the clock.

Code.....	Facilio	Facisto	Factebam
Numbers.....	1	2	3
Outside, inches.....	7	7¼	7½
Per dozen.....	\$1.18	1.19	1.20
Weight per doz., lbs.....	2¾	2¾	3
Code.....	Factedor	Factemus	Factesma
Numbers.....	4	5	6
Outside, inches.....	7¾	8	8¼
Per dozen.....	\$1.22	1.23	1.25
Weight per doz., lbs.....	3	3¾	3¾

Code.....	Factical	Factimos	Factual	Factura	Facuncat
Numbers.....	7	8	9	10	11
Outside, inches.....	8½	8¾	9	9¼	9½
Per dozen.....	\$1.28	1.30	1.32	1.34	1.36
Weight per doz., lbs.....	3¾	3¾	3¾	4	4½

Code.....	Facuntur	Facuzion	Fadabel	Fadahest	Fadalify
Numbers.....	12	13	14	15	16
Outside, inches.....	9¾	10	10¼	10½	10¾
Per dozen.....	\$1.38	1.40	1.42	1.44	1.46
Weight per doz., lbs.....	4½	4½	4½	4¾	4¾

Code.....	Fadaltic	Fadamil	Fadance	Fadantes	Fadanzo
Numbers.....	17	18	19	20	21
Outside, inches.....	11	11¼	11½	11¾	12
Per dozen.....	\$1.48	1.50	1.55	1.60	1.65
Weight per doz., lbs.....	5¼	5¾	5¾	6	6

**COVERED BERLIN KETTLES.**

RETINNED. SEAMLESS.

Code.....	Fadaron	Fadaroso	Fadasar	Fadazite	Fadegava
Numbers.....	<b>02</b>	<b>08</b>	<b>04</b>	<b>06</b>	<b>08</b>
Quarts.....	1	2	3	5	7
Inches.....	5½x3½	6¾x4¼	8x4¾	8½x5½	9½x6½
Per dozen.....	\$14.20	17.30	20.50	28.90	31.50
Wt. per doz., lbs.	9½	13	18	23	29

One in a package.

**COVERED CONVEX KETTLES.**

RETINNED. SEAMLESS. EXTRA HEAVY.

Code.....	Fadeghi	Fadicino	Fadimos	Fadlasen	Fadlatit
Numbers.....	<b>201</b>	<b>202</b>	<b>203</b>	<b>204</b>	<b>206</b>
Quarts.....	1	2	3	4	6
Inches.....	4¾x4	6x4½	7x5	8½x5¼	9¼x6¾
Per dozen.....	\$12.60	20.50	26.80	31.50	37.80
Wt. per doz., lbs.	7½	11	13½	18	24

Code.....	Fadleid	Fadlerem	Fadlicum	Fadluist
Numbers.....	<b>208</b>	<b>212</b>	<b>214</b>	<b>218</b>
Quarts.....	8	12	14	18
Inches.....	10¼x7¼	11¼x8	12¼x8¾	12½x9½
Per dozen.....	\$44.10	56.70	66.20	75.60
Wt. per doz., lbs.	28	36	48	60

One in a package.

**LIPPED PRESERVING KETTLES.**

RETINNED. WITH BACK HANDLES.

Code.....	Fadmarch	Fadmaran	Fadmique
Numbers.....	<b>180</b>	<b>200</b>	<b>220</b>
Quarts.....	2½	3	4
Inches.....	8x3½	8½x3¾	9¾x4½
Per dozen.....	\$5.30	6.10	6.80
12 doz. packed, lbs.....	85	125	135

Code.....	Fadmizar	Fadmuzik	Fadolllbar
Numbers.....	<b>240</b>	<b>260</b>	<b>280</b>
Quarts.....	5	6	8
Inches.....	9¾x4¼	10¾x4¾	11¼x5
Per dozen.....	\$7.60	9.20	11.20
12 doz. packed, lbs.....	155	180	210

One-half dozen in a package

**OIL STOVE TEAKETTLES.**

PLAIN. TIN BOTTOMS.

Code.....	Fadonian
Number.....	<b>2</b>
Quarts.....	2
Diameter, inche.....	8¼
Per dozen.....	\$7.40
1 doz. packed, lbs.....	17



**TEA KETTLES.**

RETINNED.

Code.....	Fadunco
Number.....	<b>81</b>
Quarts.....	2
Largest diameter, inches.....	6½
Per dozen .....	\$12.85
Weight per doz., lbs.....	12

**FLAT BOTTOM TEA KETTLES.**

RETINNED.

Code.....	Faduncato	Fadunstig	Fadutari	
Numbers.....	<b>14</b>	<b>16</b>	<b>18</b>	
Quarts.....	1	1½	2½	
Diameter, inches.....	6½	7	7¾	
Per dozen .....	<b>\$14.20</b>	17.30	18.90	
1 doz. packed, lbs.....	16	20	21	
Code.....	Fadutster	Fadwasser	Fadwalid	Fadwerk
Numbers.....	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>
Quarts .....	3	4	5	7
Diameter, inches ....	8¼	9	10	11
Per dozen.....	<b>\$20.50</b>	22.10	25.20	30.00
1 doz. packed, lbs....	24	31	41	43

One in a package.

**DEEP LADLES—SOLID.**

RETINNED. FLAT HANDLES.

Code.....	Fadveven	Fadwinst	Fadworm
Numbers.....	<b>8</b>	<b>9</b>	<b>10</b>
Inches.....	3¾	3¾	4½
Per dozen .....	\$2.50	2.80	3.10
12 doz. packed, lbs.....	37	45	46
Code.....	Fadworst	Fadwrot	Fadwutz
Numbers.....	<b>11</b>	<b>12</b>	<b>13</b>
Inches.....	4¼	4¾	5
Per dozen .....	\$3.30	3.60	3.80
12 doz. packed, lbs.....	56	58	79

One-half dozen in a package.

**DEEP LADLES—PIERCED.**

RETINNED. FLAT HANDLES.

Code .....	Faebius	Faebuero	Faecada	Faecavi	Faecette
Numbers.....	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
Inches.....	3¾	4¼	4¼	4¾	5
Per dozen.....	\$3.00	3.20	3.40	3.70	4.00
12 doz. packed, lbs....	42	43	52	54	75

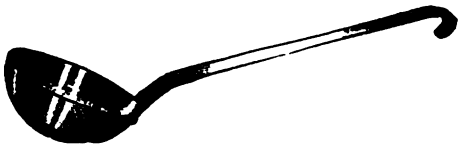
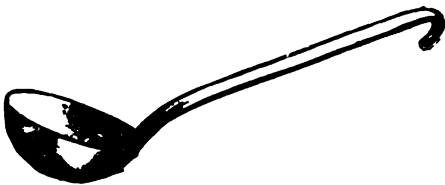
One-half dozen in a package.

**DEEP LADLES—SOLID.**

RETINNED. THREADED HANDLES.

Code .....	Faechen	Faechico	Faecioso	Faecula	Faecuvas
Numbers.....	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>19</b>
Inches.....	3¾	3¾	4¼	4½	5
Per dozen.....	\$2.50	2.80	3.10	3.30	3.80
12 doz. packed, lbs....	30	31	40	42	50

One-half dozen in a package.

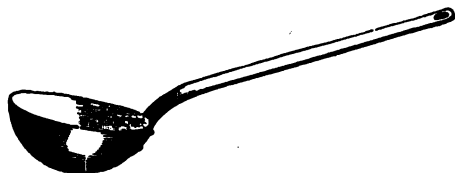


## EXTRA STRONG DEEP LADLES—SOLID.

RETINNED. HALF OVAL HANDLES.

Code.....	Faedance	Faedarlo	Faedasti	Faedemia
Numbers.....	10	11	12	13
Inches.....	3 $\frac{3}{8}$ x1 $\frac{1}{4}$	4 $\frac{1}{8}$ x1 $\frac{1}{4}$	4 $\frac{1}{8}$ x2	5 $\frac{1}{8}$ x2
Per dozen.....	\$6.10	6.40	7.00	7.60
Weight per doz., lbs...	6	6 $\frac{1}{4}$	6 $\frac{3}{4}$	7

One-half dozen in a package.



## EXTRA DEEP NAVY LADLES—SOLID.

RETINNED. HALF OVAL HANDLES. HEAVY.

Code.....	Faederai	Faedesti
Numbers.....	1	2
Inches.....	5 $\frac{1}{4}$ x2 $\frac{1}{4}$	6x2 $\frac{3}{4}$
Per dozen.....	\$11.00	12.60
Weight per doz., lbs.....	10	13

One-half dozen in a package.



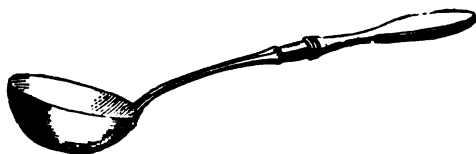
## DEEP LADLES—SOLID.

RETINNED. WOOD HANDLES.

Code.....	Faediamos	Faedillo	Faedite
Numbers.....	20	21	22
Inches.....	3 $\frac{3}{8}$	3 $\frac{3}{8}$	4 $\frac{1}{8}$
Per dozen.....	\$2.90	3.20	3.40
Weight per doz., lbs.....	3	3 $\frac{3}{4}$	4

Code.....	Faediva	Faedrosi	Faedrus
Numbers.....	23	24	25
Inches.....	4 $\frac{1}{4}$	4 $\frac{3}{8}$	5
Per dozen.....	\$3.70	4.00	4.20
Weight per doz., lbs.....	4 $\frac{1}{2}$	5 $\frac{1}{4}$	6

One-half dozen in a package.



## SOUP LADLES.

RETINNED. THREADED HANDLES.

Code.....	Faegaben
Number.....	39
Inches.....	4 $\frac{1}{8}$
Per dozen.....	\$2.30
1 doz. packed, lbs.....	30

One-half dozen in a package.



## SOUP LADLES.

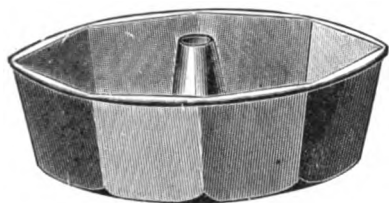
RETINNED. WOOD HANDLES.

Code.....	Faegadil	Faegadizo
Numbers.....	29	30
Inches.....	3 $\frac{3}{8}$	4 $\frac{1}{8}$
Per dozen.....	\$2.40	2.70
1 doz. packed, lbs.....	29	32

One-half dozen in a package.





**OCTAGON CAKE MOULDS.**

RETINNED. TUBED.

Code.....	Faegapt	Faegarid	Faageest	Faegich	Faegisti
Numbers.....	72	78	74	75	76
Quarts.....	2	3	4	5	6
Inches.....	8x3	9x3	9½x3¼	10½x3½	11½x3¾
Per dozen.....	\$5.10	5.60	6.40	7.20	8.10
1 doz. packed, lbs.	67	74	75	76	77

One dozen in a package.

**TURK'S HEAD CAKE MOULDS.**

RETINNED. TUBED.

Code.....	Faegitur	Faegorice	Faegresse	Faeground
Numbers.....	61	62	63	64
Quarts.....	2	4	5	6
Inches.....	7¼x3¼	9x3¾	9½x3¾	11½x4¼
Per dozen.....	\$5.30	6.80	8.40	11.40
1 doz. packed, lbs.....	69	89	104	119

One dozen in a package.

**TURBAN CAKE MOULDS.**

RETINNED. TUBED.

Code .....	Faekaar	Faekarf	Faekelt	Faekend
Numbers.....	86	87	88	89
Quarts.....	2	3	4	5
Inches .....	8¾x2¾	9x3	9¾x3½	10¾x3½
Per dozen.....	\$4.80	5.60	6.40	7.40
1 doz. packed, lbs.....	69	77	91	99

One dozen in a package.

**TURK'S HEAD JELLY MOULDS.**

RETINNED.

Code.....	Faekegel
Number.....	88
Quarts.....	5
Inches .....	9½x3¾
Per dozen.....	\$7.20

One dozen in a package.

**ANGEL CAKE PANS—IX.**

RETINNED. TUBED.

Code.....	Faekeven
Number.....	10
Quarts.....	5
Inches.....	9¾x4½
Per dozen.....	\$9.60
Weight per doz., lbs.....	6¾

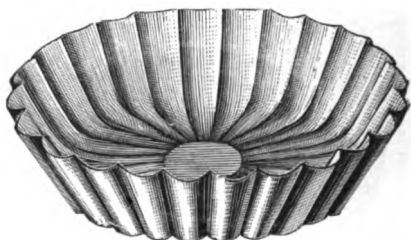
One-quarter dozen in a package.

**SCOLLOPED CAKE PANS.**

PLAIN. WITHOUT TUBES.

Code.....	Faeketas	Faeking
Inches.....	8	10
Quarts.....	1½	3
Per dozen .....	\$1.80	2.50
1 doz. packed, lbs.....	38	55

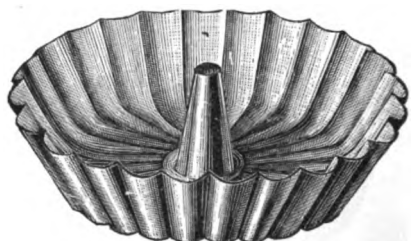
One dozen in a package.

**SCOLLOPED CAKE PANS.**

PLAIN. WITH TUBES.

Code.....	Faeklad	Faeklage
Inches.....	8	10
Quarts.....	1½	3
Per dozen .....	\$2.30	3.10
1 doz. packed, lbs.....	42	62

One dozen in a package.

**OVAL EXTRA DEEP CAKE PANS.**

RETINNED.

Code.....	Faelant	Faelard	Faelech	Faelenze
Quarts.....	1	1½	2	3
Inches.....	5½x7½x2¼	6½x8½x2¾	7x9x2⅞	7¼x9¼x3
Per dozen..	\$4.80	5.70	6.60	7.60
Wt. per doz., lbs.	3	3	4	5¼

Code.....	Faelian	Faeliens	Faelingo
Quarts.....	4	5	6
Inches.....	7¾x10½x3½	8¾x10¾x3¾	8¾x11¼x3½
Per dozen .....	\$8.50	9.50	10.40
Wt. per doz., lbs...	6	8	8¼

One dozen in a package.

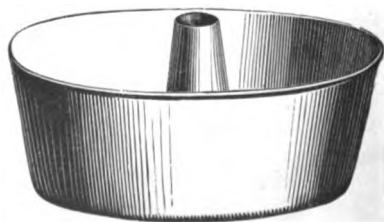
**ROUND DEEP CAKE PANS.**

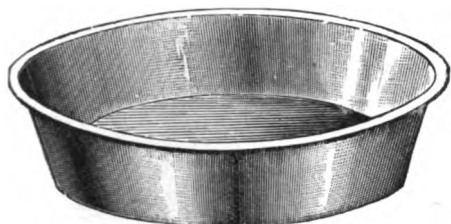
RETINNED. TUBED.

Code.....	Faemahl	Faemator	Faemest
Numbers .....	41	42	43
Quarts.....	1	2	3
Inches.....	7¾x10x2½	8¾x10x3	9¾x11x3½
Per dozen.....	\$3.80	4.60	5.30
1 doz. packed, lbs.....	5	6	7

Code.....	Faemier	Faemita	Faemond
Numbers .....	44	45	46
Quarts .....	4	5	6
Inches .....	10½x13¼	11½x13½	11¾x13¾
Per dozen.....	\$6.10	6.80	7.60
1 doz. packed, lbs.....	8	9	10

One dozen in a package.



**DAIRY PANS—IC.**

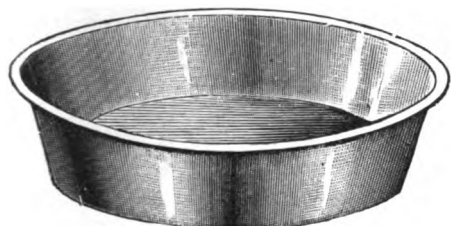
## PLAIN.

Code.....	Faesant	Faesare	Faesech	Faesico
Quarts .....	$\frac{1}{4}$	$\frac{1}{2}$	1	$1\frac{1}{2}$
Inches .....	$5\frac{1}{4} \times 1\frac{3}{4}$	$6 \times 1\frac{1}{2}$	$6\frac{3}{4} \times 1\frac{3}{4}$	$7\frac{3}{4} \times 1\frac{3}{4}$
Per dozen.....	\$0.90	1.10	1.40	1.70
12 doz. packed, lbs...	20	25	29	37

Code.....	Faesda	Faesinn	Faesione	Faesoeop	Faesolin	Faesorum	Faesoris	Faesoute	Faesuero
Quarts .....	2	3	$3\frac{1}{2}$	4	5	6	8	10	12
Inches.....	$8\frac{1}{2} \times 2$	$9\frac{1}{4} \times 2\frac{1}{4}$	$10 \times 2\frac{1}{2}$	$10\frac{7}{8} \times 2\frac{1}{2}$	$11\frac{3}{4} \times 2\frac{3}{8}$	$12\frac{5}{8} \times 2\frac{3}{4}$	$13\frac{1}{4} \times 3$	$14\frac{1}{2} \times 3$	$15\frac{1}{2} \times 3\frac{1}{2}$
Per dozen.....	\$2.00	2.40	2.80	3.20	3.60	4.10	4.60	5.60	7.00
12 doz. packed, lbs.....	43	52	61	70	80	90	110	125	143

One dozen in a package.

Four quarts and larger, twelve dozen in a case.

**DAIRY PANS—IC.**

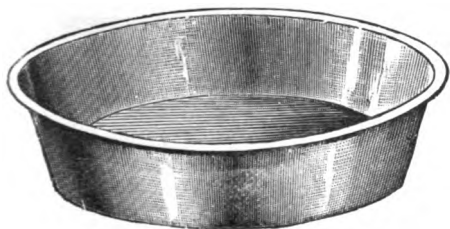
## RETINNED.

Code.....	Fafaccio	Fafadoci	Fafados	Fafahest
Quarts .....	$\frac{1}{4}$	$\frac{1}{2}$	1	$1\frac{1}{2}$
Inches .....	$5\frac{1}{4} \times 1\frac{3}{4}$	$6 \times 1\frac{1}{2}$	$6\frac{3}{4} \times 1\frac{3}{4}$	$7\frac{3}{4} \times 1\frac{3}{4}$
Per dozen.....	\$1.70	1.90	2.30	2.70
12 doz. packed, lbs...	20	25	29	38

Code.....	Fafaise	Fafalia	Fafalon	Fafanet	Fafanon	Fafantem	Fafanzar	Fafappo	Fafarade
Quarts .....	2	3	$3\frac{1}{2}$	4	5	6	8	10	12
Inches.....	$8\frac{1}{2} \times 2$	$9\frac{1}{4} \times 2\frac{1}{4}$	$10 \times 2\frac{1}{2}$	$10\frac{7}{8} \times 2\frac{1}{2}$	$11\frac{3}{4} \times 2\frac{3}{8}$	$12\frac{5}{8} \times 2\frac{3}{4}$	$13\frac{1}{4} \times 3$	$14\frac{1}{2} \times 3$	$15\frac{1}{2} \times 3\frac{1}{2}$
Per dozen .....	\$3.10	3.60	4.10	4.60	5.10	5.80	6.60	7.90	9.10
12 doz. packed, lbs.....	45	54	65	80	90	95	115	133	149

One dozen in a package.

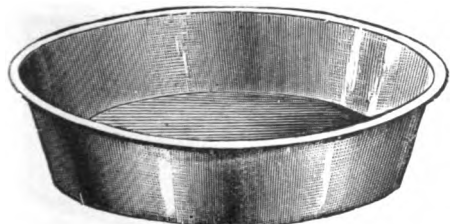
Four quarts and larger, twelve dozen in a case.

**MILK PANS—IX.**

## PLAIN.

Code .....	Fafargali	Fafarse	Fafarus	Fafassiez	Fafatrane
Quarts....	5	6	8	10	12
Inches.....	$11\frac{1}{8} \times 2\frac{1}{2}$	$12\frac{3}{8} \times 2\frac{3}{4}$	$13\frac{1}{4} \times 2\frac{3}{4}$	$14\frac{1}{8} \times 2\frac{7}{8}$	$15 \times 3\frac{1}{8}$
Per dozen..	\$4.80	5.40	6.20	7.00	8.00
12 doz. pckd, lbs	108	115	125	145	167

One dozen in a package. Twelve dozen in a case.

**MILK PANS—IX.**

## RETINNED.

Code .....	Fafeden	Fafedung	Fafegam	Fafegass	Fafegate
Quarts.....	5	6	8	10	12
Inches.....	$11\frac{1}{8} \times 2\frac{1}{2}$	$12\frac{3}{8} \times 2\frac{3}{4}$	$13\frac{1}{4} \times 2\frac{3}{4}$	$14\frac{1}{8} \times 2\frac{7}{8}$	$15 \times 3\frac{1}{8}$
Per dozen..	\$6.10	7.10	8.10	9.20	10.20
12 doz. pckd, lbs	110	120	130	150	172

One dozen in a package. Twelve dozen in a case.

## H. M. & S. FLARING MILK PANS—IX.

RETINNED. BEADED EDGE.

Code.....	Fafegeur
Quarts .....	12
Top, diameter, inches .....	15½
Height, inches .....	3¼
Per dozen .....	\$10.70
Weight per case, lbs.....	185

One dozen in a package.

Twelve dozen in a case.



## H. M. & S. FLARING MILK PANS—IX.

RETINNED. WIRED EDGE.

Code .....	Fafagiez
Quarts .....	12
Top, diameter, inches .....	15½
Height, inches .....	3¼
Per dozen .....	\$12.20
Weight per case, lbs .....	205

One dozen in a package.

Twelve dozen in a case.



### Shipping Measurements for Dairy and Milk Pans:

Quarts .....	4	5	6	8
12 doz. packed, cubic feet .....	1⅓	2	2½	2¾
Quarts.....	10	12	H. M. & S. 12	
12 doz. packed, cubic feet..	3¼	3½	5¼	

## RINSING PANS—IC.

PLAIN.

Code .....	Fafeisel	Fafense	Faferado
Quarts .....	7	8	10
Inches .....	13x3¼	14x3¾	14¼x4½
Per dozen.....	\$6.90	7.60	8.40
Weight per case, lbs .....	45	50	55
Code .....	Faferito	Fafescunt	
Quarts .....	14	17	
Inches .....	16x4¼	17¾x4½	
Per dozen.....	\$9.70	11.20	
Weight per case, lbs.....	60	70	

One-quarter dozen in a package.

Three dozen in a case.



## RINSING PANS—IC.

RETINNED.

Code .....	Fafetero	Fafeuve	Fafevador
Quarts .....	7	8	10
Inches .....	13x3¼	14x3¾	14¼x4½
Per dozen.....	\$8.60	9.70	10.70
Weight per case, lbs .....	45	50	55
Code .....	Fafevano	Fafevole	
Quarts .....	14	17	
Inches .....	16x4¼	17¾x4½	
Per dozen.....	\$13.20	15.20	
Weight per case, lbs.....	60	70	

One-quarter dozen in a package.

Three dozen in a case.



**DISH PANS—IX.**

RETINNED. LIGHT.

Code.....	Fafibono	Faficnot	Fafidorum
Quarts .....	7	8	10
Inches .....	13 $\frac{3}{4}$ x4 $\frac{1}{2}$	14 $\frac{1}{4}$ x5	14 $\frac{3}{4}$ x5
Per dozen .....	\$10.20	11.20	12.20
Weight per case, lbs .....	47	52	67
Code.....	Fafoniate	Faforist	Fagabends
Quarts .....	14	17	21
Inches .....	16 $\frac{1}{4}$ x5 $\frac{3}{4}$	17 $\frac{1}{2}$ x6 $\frac{1}{4}$	19x6 $\frac{1}{2}$
Per dozen .....	\$15.20	18.30	21.40
Weight per case, lbs.....	78	92	112

One-quarter dozen in a package.

Three dozen in a case.

**DISH PANS—IXX.**

RETINNED. MEDIUM.



Code.....	Fagacht	Fagalabo	Fagalify
Quarts .....	8	10	14
Inches .....	14 $\frac{1}{4}$ x5	14 $\frac{3}{4}$ x5	16 $\frac{1}{4}$ x5 $\frac{3}{4}$
Per dozen .....	\$15.20	16.80	19.80
Weight per case, lbs.....	62	78	85
Code.....	Fagaloid	Faganken	
Quarts .....	17	21	
Inches .....	17 $\frac{1}{2}$ x6 $\frac{1}{4}$	19x6 $\frac{1}{2}$	
Per dozen .....	\$22.90	25.90	
Weight per case, lbs .....	97	118	

One-quarter dozen in a package.

Three dozen in a case.

**DISH PANS—IXXX.**

RETINNED. HEAVY.



Code.....	Faganthis	Fagapos	Fagarsis
Quarts .....	10	14	17
Inches .....	14 $\frac{3}{4}$ x5	16 $\frac{1}{4}$ x5 $\frac{3}{4}$	17 $\frac{1}{2}$ x6 $\frac{1}{4}$
Per dozen .....	\$19.80	22.90	25.90
Weight per case, lbs .....	82	93	109
Code.....	Fagasteis	Fagesus	
Quarts .....	21	30	
Inches .....	19x6 $\frac{1}{2}$	21 $\frac{1}{4}$ x6 $\frac{3}{4}$	
Per dozen.....	\$29.00	44.20	
Weight per case, lbs.....	127	163	

One-quarter dozen in a package.

Three dozen in a case.

**DISH PANS—IXXXX.**

RETINNED. EXTRA HEAVY.



Code.....	Faggernet	Faggertur
Quarts .....	30	35
Inches.....	20 $\frac{3}{4}$ x6 $\frac{3}{4}$	21 $\frac{1}{2}$ x7
Per dozen .....	\$45.70	56.70
Weight per case, lbs.....	210	246

One-quarter dozen in a package.

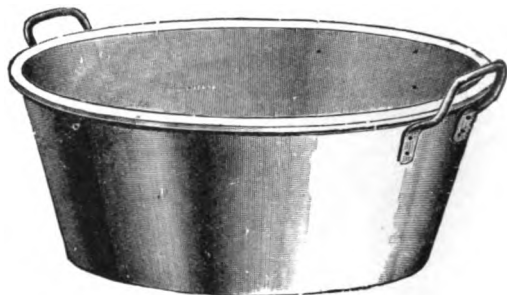
Three dozen in a case.

**DISH PANS—EXTRA HEAVY.**

TINNED. WROUGHT IRON.

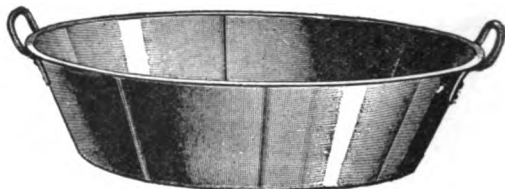
Code.....	Faglabais	Faglagen	Faglaras
Quarts.....	40	60	100
Inches.....	24¼x7½	27x8¼	29x12
Per dozen .....	\$75.60	138.60	283.50
Weight per case, lbs.....	95	145	235

One dozen in a case.

**OVAL DISH PANS—IX.**

RETINNED. LIGHT.

Code.....	Fagnabas	Fagnest	Fagnique
Quarts.....	15	18	22
Inches.....	18x14¼x5	19½x16½x5¼	21½x17x5¼
Per dozen .....	\$20.50	25.20	30.00
Weight per case, lbs.	90	105	123

One-quarter dozen in a package.  
Three dozen in a case.**Shipping Measurements of Rinsing and Dish Pans.**

Quarts.....	7	8	10	14	15	17
3 dozen packed, cubic feet,	2½	3¼	3¾	5¼	6⅓	6
Quarts.....	18	21	22	30	35	
3 dozen packed, cubic feet.....	9½	7	10	9	9½	
Quarts.....	40	60	100			
1 dozen packed, cubic feet.....	11	13	16½			

**DEEP PUDDING PANS—IC.**

PLAIN.

Code .....	Fagollbar	Fagougir	Fagradsen	Fagritam
Quarts.....	½	1	1½	2
Inches.....	6½x2½	7x2½	7¾x2½	8½x3
Per dozen.....	\$1.50	1.80	2.00	2.40
12 doz. packed, lbs .....	30	35	45	50

Code .....	Fagrufun	Fahavaro	Fahazella
Quarts .....	3	4	5
Inches.....	9¼x3	10x3¼	10¾x3½
Per dozen .....	\$2.80	3.40	3.90
12 doz. packed, lbs.....	57	70	82

Code .....	Fahlando	Fahlasia	Fahlaube
Quarts .....	6	8	10
Inches.....	11½x3¾	12¾x3¾	13¼x4¼
Per dozen.....	\$4.30	5.10	6.10
12 doz. packed, lbs .....	92	107	121

One dozen in a package.

Four-quarts and larger, twelve dozen in a case.



**DEEP PUDDING PANS—IC.****RETINNED.**

Code .....	Fahlauch	Fahlendi	Fahliges	Fahloop
Quarts.....	$\frac{1}{2}$	1	1½	2
Inches.....	6½x2¾ <sub>16</sub>	7x2¾	7¾x2¾	8½x3
Per dozen.....	\$2.50	3.10	3.60	4.10
12 doz. packed, lbs...	30	35	45	50
Code .....	Fahraum	Fahrebbie	Fahreis	Fahruche
Quarts.....	3	4	5	6
Inches.....	9¼x3	10x3¼	10¾x3½	11½x3¾
Per dozen.....	\$4.60	5.10	5.80	6.00
12 doz. packed, lbs...	57	70	82	92

One dozen in a package.

Four quarts and larger, twelve dozen in a case.

**DEEP PUDDING PANS—IX.****PLAIN.**

Code.....	Faidait	Faidalas	Faidanes	Faidanza
Quarts.....	$\frac{1}{2}$	1	1½	2
Inches.....	6½x2¾ <sub>16</sub>	7x2¾	7¾x2¾	8½x3
Per dozen.....	\$2.00	2.50	3.10	3.60
12 doz. packed, lbs.	34	41	56	66
Code.....	Faidasse	Faidero	Faidiger	
Quarts.....	3	4	5	
Inches.....	9¼x3	10x3¼	10¾x3½	
Per dozen.....	\$4.10	4.60	5.10	
12 doz. packed, lbs.....	74	89	101	
Code.....	Faidiste	Faidrift	Faigacion	
Quarts.....	6	8	10	
Inches.....	11½x3¾	12¾x3¾	13¼x4¼	
Per dozen.....	\$5.60	6.60	7.60	
12 doz. packed, lbs.....	119	133	161	

One dozen in a package.

Four quarts and larger, twelve dozen in a case.

**DEEP PUDDING PANS—IX.****RETINNED.**

Code.....	Faigeln	Faigerum	Faigiamo	Faiglat
Quarts.....	$\frac{1}{2}$	1	1½	2
Inches.....	6½x2¾ <sub>16</sub>	7x2¾	7¾x2¾	8½x3
Per dozen.....	\$3.10	3.50	4.10	4.60
12 doz. packed, lbs.	34	41	56	66
Code.....	Faigliar	Faigott	Faiguss	
Quarts.....	3	4	5	
Inches.....	9¼x3	10x3¼	10¾x3½	
Per dozen.....	\$5.10	5.80	6.60	
12 doz. packed, lbs.....	74	89	101	
Code.....	Faikalb	Faikern	Faiklopt	
Quarts.....	6	8	10	
Inches.....	11½x3¾	12¾x3¾	13¼x4¼	
Per dozen.....	\$7.40	8.60	9.70	
12 doz. packed, lbs.....	119	133	161	

One dozen in a package.

Four quarts and larger, twelve dozen in a case.

**Shipping Measurements of Pudding Pans.**

Quarts.....	4	5	6	8	10
12 doz. packed, cubic feet....	1½	2	2½	2¾	3½

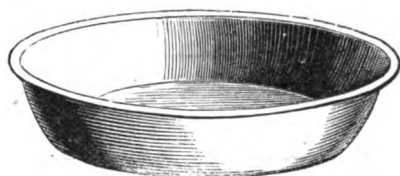


**OVAL PUDDING PANS.**

RETINNED.

Code.....	Failania	Failanos	Failassi
Numbers.....	<b>201</b>	<b>202</b>	<b>203</b>
Quarts.....	1	2	3
Inches.....	7¼x10¼x2	8½x11½x2	9½x12¾x2¼
Per dozen.....	\$4.50	5.00	5.80
Wt. per dz., lbs..	5	6	6½
Code.....	Failectos	Failengo	
Numbers.....	<b>204</b>	<b>205</b>	
Quarts.....	4	5	
Inches.....	10¼x13½x2½	127½x16½x3	
Per dozen.....	\$6.80	12.60	
Weight per doz., lbs.....	7½	12	

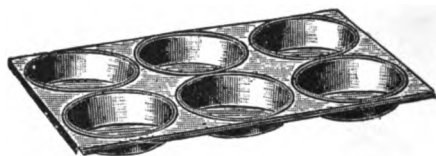
One dozen in a package.

**MUFFIN PANS ON FRAME.**

PLAIN. SMALL PAN 3¼x1 INCH.

Code.....	Failerus	Failimmo	Failisco	Failitum
Numbers.....	<b>6</b>	<b>8</b>	<b>9</b>	<b>12</b>
Inches.....	11½x7½	14½x7¼	11½x11½	14½x11½
Cups on frame..	6	8	9	12
Per dozen.....	\$4.60	6.10	7.20	8.70
12 doz. packed, lbs..	68	91	106	130

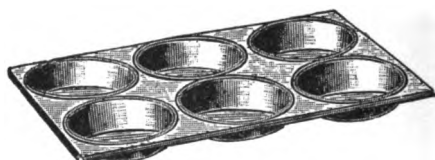
One-half dozen in a package.

**MUFFIN PANS ON FRAME.**

RETINNED. SMALL PAN 3¼x1 INCH.

Code.....	Failordo	Faimeld	Faimeros
Numbers.....	<b>6½</b>	<b>8½</b>	<b>12½</b>
Inches.....	11½x7½	14½x7¼	14½x11½
Cups on frame.....	6	8	12
Per dozen.....	\$6.60	8.10	12.20
12 doz. packed, lbs.....	68	91	130

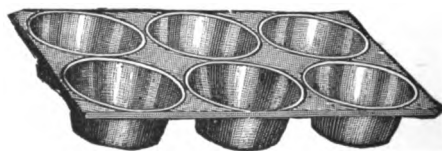
One-half dozen in a package.

**CORN CAKE OR LEMON PANS ON FRAME.**

PLAIN. SMALL PAN 3¼x1½ INCHES.

Code.....	Faimette	Faimists	Faimiter	Faimosk
Numbers.....	<b>06</b>	<b>08</b>	<b>09</b>	<b>012</b>
Inches.....	11½x7½	14½x7¼	11½x11½	14½x11½
Cups on frame..	6	8	9	12
Per dozen.....	\$5.10	6.60	7.60	9.20
12 doz. packed, lbs..	79	105	123	155

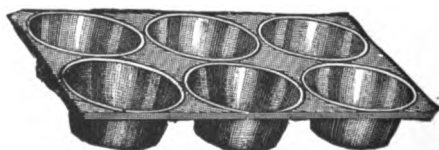
One-half dozen in a package.

**CORN CAKE OR LEMON PANS ON FRAME.**

RETINNED. SMALL PANS 3¼x1½ INCHES.

Code.....	Fainetti	Fainista	Fainosco
Numbers.....	<b>06½</b>	<b>08½</b>	<b>012½</b>
Inches.....	11½x7½	14½x7¼	14½x11½
Cups on frame.....	6	8	12
Per dozen.....	\$7.60	9.20	12.70
12 doz. packed, lbs.....	79	105	155

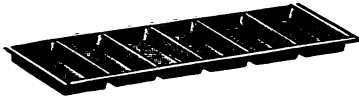
One-half dozen in a package.





# SPONGE CAKE PANS.

RETINUED. SMALL PAN 3x2½ INCHES.



Code.....	Fairanno
Number.....	1
Inches.....	13¼x3½
Per dozen.....	\$7.60
Weight per dozen, lbs.....	7¼

One dozen in a package.

# COVERED BERLIN SAUCE PANS.

RETINUED. SEAMLESS.



Code.....	Fairiva	Fairodet	Fairuffo	Faisiez	Faisonne
Numbers.....	02	08	04	06	08
Quarts.....	1	2	3	5	7
Inches.....	6x3	7x3½	8¼x4	9x5	10x5½
Per dozen.....	\$14.20	17.30	20.50	28.90	31.50
Wt. per doz, lbs...	10	13	19	23	30

# COVERED CONVEX SAUCE PANS.

RETINUED. SEAMLESS. EXTRA HEAVY.



Code.....	Faitaba	Faitarum	Faitech
Numbers.....	101	102	108
Quarts.....	1	2	3
Inches.....	4¾x4	6x4½	7x5
Per dozen.....	\$12.60	20.50	28.90
Weight per dozen, lbs.....	8	10	12¾

Code.....	Faitella	Faitesco	Faitude
Numbers.....	104	106	108
Quarts.....	4	6	8
Inches.....	8½x5¼	9¼x6¾	10¼x7¼
Per dozen.....	\$31.50	37.80	44.10
Weight per dozen, lbs.....	18	24	27

# COVERED WINDSOR SAUCE PANS.

RETINUED.



Code.....	Faketry	Fakenzin	Fakerent	Fakerung	Faketado
Numbers.....	112	114	116	118	120
Quarts.....	1	1½	2	2½	3½
Inches.....	6x3	7x3½	7½x3½	8x4	8¾x4
Per dozen.....	\$7.70	8.50	9.40	11.10	12.80
Wt. per doz, lbs...	6	8¾	10	12	15

Code.....	Faketonas	Fakoid	Fakonder	Fakarum	Fakunst
Numbers.....	122	124	126	128	130
Quarts.....	4½	5½	6½	8	10
Inches.....	9½x4	10x4¾	10¾x5	11½x5¼	12½x5¼
Per dozen.....	\$14.50	16.20	18.70	22.10	25.50
Wt. per doz. lbs..	16	17	19	24	26

One-half dozen in a package.

## Shipping Measurements of Berlin, Convex and Windsor Sauce Pans.

Numbers.....	02	08	04	06	08	101	102	108	104	106	108
One doz. packed, cubic feet....	2½	3½	4½	5	5½	2½	3½	4½	5	8½	9¼
Numbers.....	112	114	116	118	120	122	124	126	128	130	108
One doz. packed, cubic feet....	1½	1¼	1½	2½	2½	2¾	2¾	3½	4½	6½	6½

**LIGHT LIPPED SAUCE PANS.**

RETINNED.

Code.....	Falacero	Falagio	Falaise
Numbers.....	<b>09</b>	<b>010</b>	<b>012</b>
Quarts.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Inches.....	4 $\frac{1}{4}$ x 2 $\frac{1}{4}$	5 x 2 $\frac{1}{2}$	6 x 2 $\frac{3}{4}$
Per dozen.....	\$2.50	2.80	3.30
12 doz. packed, lbs.....	41	45	58



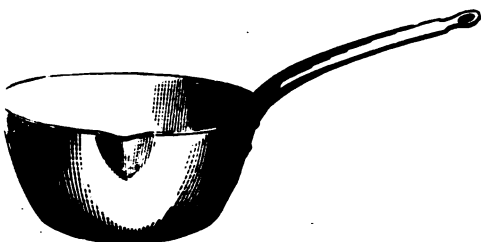
Code.....	Falamil	Falannis	Falantes	Falanzor	Falaposi	Falapppen	Falaquer	Falarden	Falaroth
Numbers.....	<b>014</b>	<b>016</b>	<b>018</b>	<b>020</b>	<b>022</b>	<b>024</b>	<b>026</b>	<b>028</b>	<b>030</b>
Quarts.....	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	4	5	6	7 $\frac{1}{2}$	10
Inches.....	6 $\frac{3}{4}$ x 3 $\frac{1}{4}$	7 $\frac{1}{2}$ x 3 $\frac{1}{4}$	8 x 3 $\frac{3}{8}$	8 $\frac{7}{8}$ x 4	9 $\frac{1}{4}$ x 4 $\frac{1}{8}$	9 $\frac{1}{2}$ x 4 $\frac{1}{4}$	10 x 4 $\frac{5}{8}$	10 $\frac{1}{2}$ x 4 $\frac{1}{4}$	11 x 5
Per dozen.....	\$3.80	4.60	5.30	6.10	6.90	7.90	9.20	10.70	13.75
12 doz. packed, lbs.....	67	80	108	126	145	180	200	224	260

One-half dozen in a package.

**HEAVY LIPPED SAUCE PANS.**

RETINNED.

Code.....	Falarsus	Falasabo	Falasilo
Numbers.....	<b>10</b>	<b>12</b>	<b>14</b>
Quart.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Inches.....	5 x 2 $\frac{1}{2}$	6 x 2 $\frac{3}{4}$	6 $\frac{3}{4}$ x 3 $\frac{1}{4}$
Per dozen.....	\$3.70	4.20	5.30
12 doz. packed, lbs.....	45	49	63



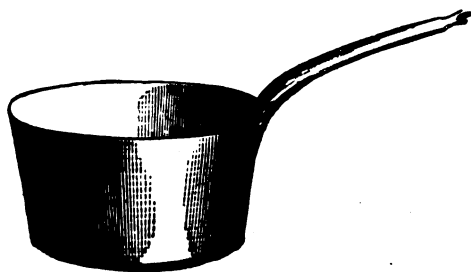
Code.....	Falatica	Falavero	Falzite	Falbado	Falbuffen	Falbamus	Falbaum	Falbeere
Numbers.....	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>
Quarts.....	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	4	5	6	7 $\frac{1}{2}$	10
Inches.....	7 $\frac{1}{2}$ x 3 $\frac{1}{4}$	8 x 3 $\frac{3}{8}$	8 $\frac{7}{8}$ x 4	9 $\frac{1}{4}$ x 4 $\frac{1}{8}$	9 $\frac{1}{2}$ x 4 $\frac{1}{4}$	10 x 4 $\frac{5}{8}$	10 $\frac{1}{2}$ x 4 $\frac{1}{4}$	11 x 5
Per dozen.....	\$6.10	7.10	8.10	9.20	10.20	11.20	12.20	15.20
12 doz. packed, lbs.....	72	85	113	158	198	216	250	290

One-half dozen in a package.

**EXTRA STRONG STRAIGHT SAUCE PANS.**

RETINNED.

Code.....	Falbeit	Falberg	Falblant
Numbers.....	<b>14</b>	<b>16</b>	<b>18</b>
Quarts.....	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
Inches.....	6 x 3 $\frac{1}{2}$	6 $\frac{3}{4}$ x 3 $\frac{3}{4}$	7 $\frac{1}{4}$ x 4
Per dozen.....	\$12.60	15.80	18.90
Weight per doz. lbs.....	8	10	14



Code.....	Falblikt	Falbloom	Falboer	Falboort	Falborgd	Falchean	Falchiot	Falchoar
Numbers.....	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>	<b>36</b>
Quarts.....	3 $\frac{1}{2}$	4 $\frac{1}{2}$	5 $\frac{1}{2}$	6 $\frac{1}{2}$	8	10	12	14
Inches.....	8 $\frac{1}{2}$ x 4 $\frac{1}{2}$	9 $\frac{1}{4}$ x 4 $\frac{3}{4}$	10 x 5	10 $\frac{3}{4}$ x 5	11 $\frac{1}{2}$ x 5 $\frac{1}{2}$	12 $\frac{1}{4}$ x 5 $\frac{1}{2}$	13 x 5 $\frac{3}{4}$	14 $\frac{1}{4}$ x 6
Per dozen.....	\$22.10	28.90	31.50	36.20	42.50	50.40	63.00	75.60
Weight per doz. lbs.....	18	23	28	30	34	36	48	68

One-half dozen in a package.

**Shipping Measurements of Lipped and Straight Sauce Pans.**

Numbers.....	9	10	12	14	16	18	20	22	24	26	28	30	32	36
6 doz. packed, cubic ft.....				3	4	4 $\frac{1}{2}$	6	6 $\frac{1}{2}$	8	12	18	24	30	38

**SEAMLESS WATER PAILS.**

RETINUED.      FLAT BOTTOMS.

Code.....	Falcons	Falculus	Faldado
Numbers .....	<b>108</b>	<b>110</b>	<b>112</b>
Quarts.....	8	10	12
Inches.....	9½x6¾	10½x7¾	11½x8¾
Per dozen.....	\$28.40	31.50	37.80
2 doz. packed, lbs. ....	63	78	97
Ship. meas. 2 doz. cubic ft.....	5	5½	5¾

One-fourth dozen in a package.

Code.....	Faldaker	Faldapel
Numbers .....	<b>114</b>	<b>116</b>
Quarts.....	15	20
Inches.....	12x9¾	13x10¾
Per dozen.....	\$44.10	52.00
2 doz. packed, lbs.....	112	157
Shipping measurements, 2 doz. cubic ft.....	6¾	7

One-fourth dozen in a package.

**SEAMLESS WATER PAILS OR WASH KETTLES.**

RETINUED.

Code.....	Faldare	Faldemico	Faldendi
Numbers .....	<b>8</b>	<b>8½</b>	<b>9</b>
Gallons .....	2	2½	3
Top diameter, inches.....	10¼	11½	12½
Height, inches .....	6½	7½	8¼
Per dozen .....	\$23.60	28.40	34.70
Weight per doz., lbs.....	24	28	35

One-fourth dozen in a package.

Code.....	Faldible	Faldion	Faldoner
Numbers .....	<b>10</b>	<b>11</b>	<b>12</b>
Gallons .....	4	6	8
Top diameter, inches .....	13½	14¾	16¾
Height, inches.....	8¾	9	10
Per dozen.....	\$39.40	44.10	63.00
Weight per doz., lbs.....	42	54	58

One-fourth dozen in a package.

**SEAMLESS MILK PAILS.**

RETINUED. BRASS STRAINER IN SPOUT.

Code.....	Faldrift
Number.....	<b>5</b>
Gallons.....	3
Inches.....	12½x8¾
Per dozen .....	\$50.40
Weight per doz., lbs.....	40

One in a package.

**FLUTED TEA POTS.**

RETINUED. WITH WHITE METAL HANDLES AND SPOUTS.

Code.....	Faldruf	Faldules
Numbers .....	<b>884</b>	<b>885</b>
Pints .....	4	5
Largest diameter, inches.....	6¾	7½
Per dozen.....	\$9.00	11.00
Weight per doz., lbs.....	10½	12

One in a package.



**BREAD RAISERS.**

RETINNED.

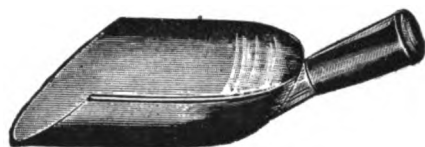
Code .....	Faleptium	Falepuno	Falescam	Faletone
Quarts.....	10	14	17	21
Inches.....	15¼x5½	16¾x6	18¾x6½	20x6½
Per dozen.....	\$27.40	32.00	38.10	44.20
Wt. per doz. packed, lbs.	45	55	60	70
Ship. meas. 1 doz. cu. ft.	4½	6¾	8¾	10¾

**GROCERS' SCOOPS.**

RETINNED. OPEN.

Code.....	Falhadio	Falhafiz	Falhagi	Falhakam
Numbers.....	2	3	4	5
Inches.....	6¾x4¾	7¾x5½	9¾x6½	10¾x7¾
Per dozen.....	\$5.60	6.60	7.60	9.20
Weight per doz., lbs	3½	4¼	7	8½

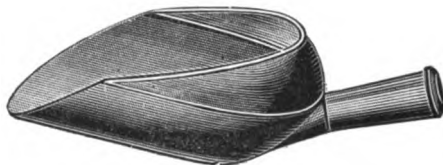
One-half dozen in a package.

**GROCERS' SCOOPS.**

RETINNED. COVERED.

Code.....	Falhassar	Falhayot	Falhegam	Falhiras
Numbers.....	20	30	40	50
Inches.....	6¾x4¾	7¾x5½	9¾x6½	10¾x7¾
Per dozen.....	\$6.60	8.10	10.70	12.20
Weight per doz., lbs	3½	5½	8	9½

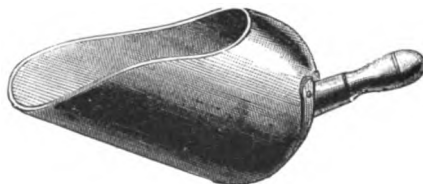
One-third dozen in a package.

**SOLID STEEL SEAMLESS SCOOPS.**

RETINNED. WOOD HANDLES.

Code.....	Falidness	Falidor	Falitant
Numbers.....	163	164	165
Inches.....	6¾x4¾	7¼x5	8¼x6
Per dozen .....	\$22.00	28.40	34.70
Weight per doz., lbs.....	16	28	42

One-sixth dozen in a package.

**FAMILY SCOOPS.**

RETINNED. IRON HANDLES.

Code.....	Falkermes	Falkidas	Falkinoos
Numbers.....	34	35	36
Inches.....	3x4½	3¾x5¾	4x6
Per dozen .....	\$2.30	2.50	3.10
Weight per doz., lbs .....	2	2	2

One-half dozen in a package.



**FAMILY SCOOPS.**

RETINNED. WOOD HANDLES.

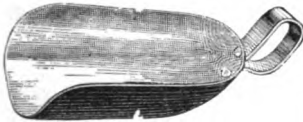


Code.....	Fallaria	Fallauf	Fallebit
Numbers.....	<b>87</b>	<b>88</b>	<b>89</b>
Inches.....	3x4½	3¼x5¾	4x6
Per dozen.....	\$2.50	2.80	3.30
Weight per doz., lbs.....	3	3¾	3¾

One-half dozen in a package.

**SPICE SCOOPS.**

RETINNED. RING HANDLES.



Code.....	Fallimos	Fallinxi	Fallish
Numbers.....	<b>0</b>	<b>00</b>	<b>000</b>
Inches.....	2½x3¼	3x4½	3½x5¼
Per dozen.....	\$1.50	2.00	2.50
Weight per doz., lbs.....	1	1½	2

One-half dozen in a package.

**THUMB SCOOPS.**

RETINNED.

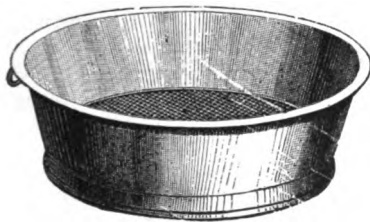


Code.....	Falmisch	Falmogen	Falmos
Numbers.....	<b>12</b>	<b>14</b>	<b>16</b>
Inches.....	2¾x5	3¼x6½	3¾x6¾
Per dozen.....	\$2.00	2.30	2.80
Weight per doz., lbs.....	1½	2	2½

One-half dozen in a package.

**EXTRA STRONG FLOUR SIEVES.**

RETINNED. TINNED WIRE CLOTH.

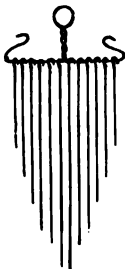


Code.....	Faloidal	Falonem	Falonite
Numbers.....	<b>1</b>	<b>2</b>	<b>4</b>
Inches.....	7x2½	8½x2¾	10½x3½
Per dozen.....	\$8.50	12.30	17.00
Weight per doz., lbs.....	2¾	3¾	6

One-fourth dozen in a package.

**SKEWERS.**

RETINNED.



Code.....	Falotano
Number.....	<b>1</b>
Longest, inches.....	8½
Shortest, inches.....	5¾
Per dozen sets.....	\$4.30
Weight per doz. sets, lbs.....	3¾

One dozen in a package.

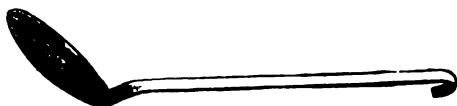
**FLAT SKIMMERS.**

RETINNED. FLAT HANDLES.

Code.....	Falsack	Falsebit	Falsegel	Falsemus
Numbers .....	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
Inches.....	4 $\frac{1}{8}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5
Per dozen .....	\$2.30	2.50	2.80	3.10
12 doz. packed, lbs.....	45	47	50	58

Code.....	Falshed	Falsides	Falslag
Numbers.....	<b>13</b>	<b>14</b>	<b>15</b>
Inches.....	5 $\frac{1}{8}$	5 $\frac{3}{4}$	6
Per dozen .....	\$3.30	3.70	4.40
12 doz. packed, lbs.. ..	62	68	78

One dozen in a package.

**FLAT SKIMMERS.**

RETINNED. THREADED HANDLES.

Code.....	Falspar	Falspin	Falstein	Falstoot	Falstrum
Numbers .....	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
Inches ... ..	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5	5 $\frac{1}{8}$	6
Per dozen .....	\$2.50	2.80	3.10	3.30	3.70
12 doz. packed, lbs..	35	42	45	47	50

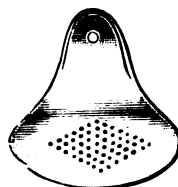
One dozen in a package.

**MILK SKIMMERS.**

RETINNED. PIERCED.

Code.....	Faltado
Number.....	<b>85</b>
Inches .....	5 $\frac{1}{8}$ x 5
Per dozen .....	\$0.90
Weight per doz., lbs.....	1

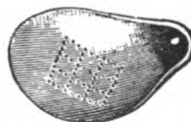
One dozen in a package.

**MILK SKIMMERS.**

PLAIN. PIERCED.

Code.....	Faltamos
Inches .....	<b>6</b>
Per dozen .....	\$0.90
Weight per doz., lbs.....	1

Twelve dozen in a package.

**GRAVY STRAINERS.**

RETINNED. WITH PATENT SEAMLESS FOOT.

Code.....	Faltendo	Falteval	Faltiga	Faltum
Numbers.....	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
Inches .....	3 $\frac{3}{4}$ x 1 $\frac{1}{4}$	4 $\frac{1}{8}$ x 1 $\frac{1}{8}$	5 $\frac{1}{8}$ x 2	6 x 2 $\frac{1}{8}$
Per dozen.....	\$2.80	3.40	4.00	4.60
Weight per doz., lbs...	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{3}{4}$

One-half dozen in a package.



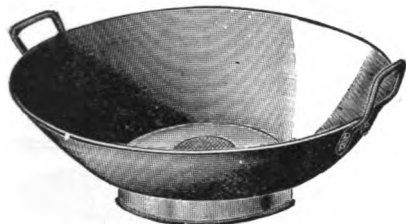


## GRAVY STRAINERS.

RETINNED. WOOD HANDLES. WITH PATENT  
SEAMLESS FOOT.

Code .....	Famacari	Famacion	Famadir
Numbers .....	26	27	28
Inches .....	4 $\frac{3}{8}$ x1 $\frac{5}{8}$	5 $\frac{1}{8}$ x2	6x2 $\frac{1}{4}$
Per dozen.....	\$3.80	4.60	5.30
Weight per doz., lbs.....	1 $\frac{3}{4}$	2 $\frac{1}{4}$	3

One-half dozen in a package.



## MILK STRAINERS.

RETINNED. WITH BRASS STRAINER CLOTH.

Code .....	Famalden	Famavella	Fambezie
Numbers .....	21	22	23
Inches .....	10x2 $\frac{3}{4}$	10 $\frac{1}{2}$ x3	11 $\frac{1}{4}$ x3 $\frac{1}{4}$
Per dozen.....	\$6.60	7.20	8.10
12 doz. packed, lbs .....	92	96	113

One-half dozen in a package.



## SANITARY MILK STRAINERS.

RETINNED. WITH HOOP AND RIM TO FASTEN CLOTH.

Code.....	Fambica
Number.....	88
Inches .....	10 $\frac{1}{4}$
Per dozen .....	\$8.50
12 doz. packed, lbs.....	96

One dozen in a package.



## MILK CAN STRAINERS.

RETINNED. 4 $\frac{1}{2}$ -INCH BRASS STRAINER CLOTH.

Code.....	Heavy.	Extra Heavy.
	Fambino	Fambustos
Number.....	011	11
Inches .....	10 $\frac{1}{2}$	10 $\frac{1}{2}$
Per dozen .....	\$14.50	20.90
12 doz. packed, lbs .....	121	175

One in a package.

**ECC SLICERS.**

RETINNED. WOOD HANDLES.

Code.....	Famelos
Inches.....	4 1/4 x 4 1/8
Per dozen.....	\$3.00
Weight per doz., lbs.....	3

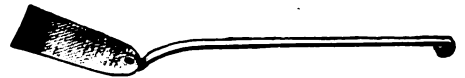
One-half dozen in a package.

**CAKE TURNERS.**

RETINNED. FLAT HANDLES.

Code.....	Famenor	Famenrock
Numbers.....	18	14
Inches.....	3 1/2 x 3	4 1/4 x 3 1/4
Per dozen.....	\$2.00	2.30
12 doz. packed, lbs.....	28	30

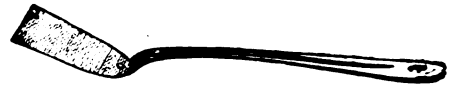
One dozen in a package.

**CAKE TURNERS.**

RETINNED. THREADED HANDLES.

Code.....	Famicus	Familem
Numbers.....	15	16
Inches.....	3 1/2 x 3	4 1/4 x 3 1/4
Per dozen.....	\$2.00	2.30
12 doz. packed, lbs.....	28	30

One dozen in a package.

**CAKE TURNERS**

RETINNED. WOOD HANDLES.

Code.....	Faminum	Famluant
Numbers.....	17	18
Inches.....	3 1/2 x 3	4 1/4 x 3 1/4
Per dozen.....	\$2.30	2.50
Weight per doz., lbs.....	2 3/8	3 3/8

One dozen in a package.





## SHALLOW JELLY CAKE PANS—IC.

PLAIN.  $\frac{1}{2}$  INCH DEEP.



Code.....	Famlusta	Fampases	Fampezzo
Inches.....	8	9	10
Per dozen .....	\$1.40	1.50	1.90
5 gross packed, lbs.....	160	192	222

One dozen in a package.

## DEEP JELLY CAKE PANS—IC.

PLAIN. 1 INCH DEEP.

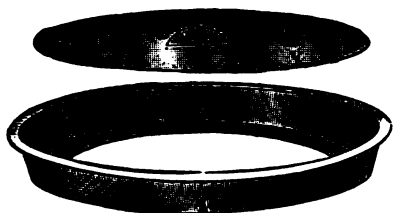


Code.....	Fampiter	Fancadora
Inches.....	9	10
Per dozen.....	\$1.80	2.20
5 gross packed, lbs.....	210	258

One dozen in a package.

## "CREAM CITY" JELLY CAKE PANS—IXXX.

PLAIN. LOOSE BOTTOMS. 1 INCH DEEP.

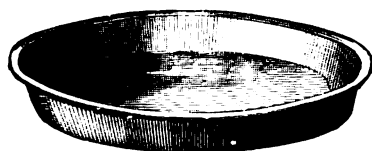


Code.....	Fancamus
Inches.....	9
Per dozen.....	\$2.50
Weight per doz., lbs.....	6

One in a package.

## MOUNTAIN CAKE PANS—IC.

PLAIN.  $1\frac{1}{4}$  INCH DEEP.



Code.....	Fancando	Fancayos	Fanchados
Inches.....	8	9	10
Per dozen .....	\$1.80	1.90	2.40
5 gross packed, lbs.....	180	252	274

One dozen in a package.

## BAKERS' OR DINNER PLATES.

PLAIN.  $\frac{3}{4}$  INCH DEEP.



Code.....	Fanchion	Fanchises	Fanchung	Fancollar
Inches .....	7	8	9	10
Per dozen.....	\$1.20	1.40	1.70	2.00
5 gross packed, lbs...	130	150	215	225
Ship. meas. 5 gross, cu. ft...	2 $\frac{3}{4}$	4 $\frac{3}{4}$	4 $\frac{3}{4}$	4 $\frac{5}{8}$

One dozen in a package.

**PLAIN PIE PLATES.****PLAIN.**

Code.....	Fandance	Fandrigo	Fandrina	Fanerch
Inches.....	6	7	8	8 $\frac{3}{4}$
Per dozen.....	\$0.90	1.00	1.30	1.50
5 gross packed, lbs.....	75	107	145	177
Ship. meas. 5 gross, cu. ft.	2 $\frac{1}{4}$	2 $\frac{3}{4}$	4 $\frac{3}{4}$	4 $\frac{3}{4}$

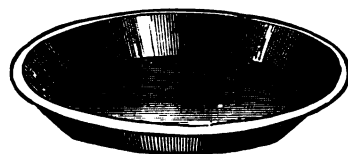
Code.....	Fangapen	Fangebet	Fangeest
Inches.....	9	10	11
Per dozen.....	\$1.50	1.90	2.40
5 gross packed, lbs.....	180	210	269
Shipping meas. 5 gross, cu. feet..	4 $\frac{3}{4}$	4 $\frac{3}{4}$	5

One dozen in a package.

**DEEP PIE PLATES.****PLAIN. 1 $\frac{1}{4}$  INCHES DEEP.**

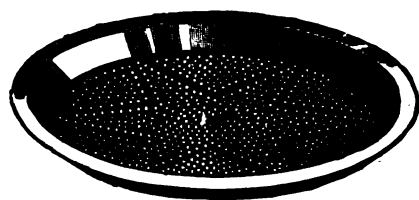
Code .....	Fanglanz	Fangleich
Inches .....	9	10
Per dozen.....	\$1.80	2.20
5 gross packed, lbs.....	193	247
Shipping meas. 5 gross, cubic feet.....	4 $\frac{3}{4}$	4 $\frac{3}{4}$

One dozen in a package.

**PERFORATED PIE PLATES.****PLAIN.**

Code.....	Fankluit	Fanladir
Inches.....	9	10
Per dozen.....	\$1.90	2.40
5 gross packed, lbs.....	192	232
Shipping meas. 5 gross, cubic feet.....	4 $\frac{3}{4}$	4 $\frac{3}{4}$

One dozen in a package.

**LETTERED PLATES.****PLAIN.**

Code.....	Fanmeister	Fanpan
Inches.....	5 $\frac{1}{2}$	6
Per dozen.....	\$ .80	.90
Weight per doz., lbs .....	$\frac{3}{4}$	1

One dozen in a package.

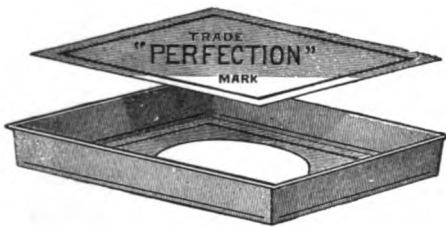


**"PERFECTION" PIE TINS.**

ROUND. SHALLOW.

Code .....	Foodziek	Foolhof-
Numbers.....	<b>1</b>	<b>2</b>
Inches .....	9x1	10x1
Per dozen.....	\$1.60	2.00
Weight per dozen, lbs.....	4½	5
Weight per case, lbs.....	64	72
Shipping measure per case, cubic feet ...	1¾	1¾

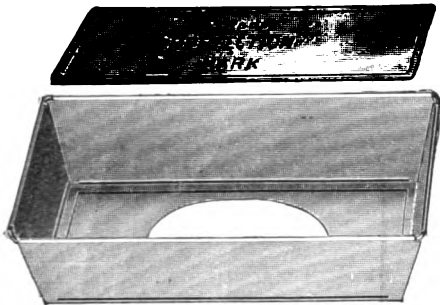
One dozen in a package. One gross in a case.

**"PERFECTION" CAKE TINS.**

SQUARE.

Code.....	Foolspade	Foolster	Fooradem
Numbers .....	<b>700</b>	<b>800</b>	<b>900</b>
Inches .....	8½x8½x1	8¾x8¾x1 ¾	9x9x2 ¾
Per dozen .....	\$2.00	2.60	3.10
Weight per dozen, lbs.....	6½	7	9

One dozen in a package.

**"PERFECTION" BREAD TINS.**

OBLONG.

Code .....	Foorbaken	Foorbille
Numbers .....	<b>200</b>	<b>300</b>
Length, inches.....	9½	10½
Width, inches .....	5½	6½
Depth, inches .....	2¾	2¾
Per dozen.....	\$2.60	3.00
Weight per dozen, lbs.....	7	9½

One dozen in a package.

**"PERFECTION" ANGEL CAKE TINS.**

ROUND.

Code .....	Foorblaze	Foorbulk	Foordate
Numbers.....	<b>6½</b>	<b>7</b>	<b>8</b>
Diameter, inches.....	8½	9½	9½
Depth, inches .....	2¾	2¾	2¾
Per dozen.....	\$2.60	3.10	2.60
Weight per dozen, lbs.....	6	6½	6

No. 3 Tin has no Tube.  
One dozen in a package.



**PLAIN PATTY PANS.**

PLAIN.

Code.....	Fantore	Fantuch	Fanvogel
Inches.....	8	8½	4
Per gross.....	\$3.10	4.00	5.20
Weight per gross, lbs.....	2¼	6½	7¼
Code.....	Fanwind	Fanwolf	
Inches.....	4½	5	
Per gross.....	\$6.70	8.20	
Weight per gross, lbs.....	8½	9¼	

One-half gross in a package.

**CRINKLED PATTY PANS.**

PLAIN.

Code.....	Faobus	Faobysis	Faodiac	Faodolo
Inches.....	8	8½	4	4½
Per gross.....	\$3.10	3.70	5.20	6.70
Weight per gross lbs....	4¼	5¼	6¼	7¼

One-half gross in a package.

**DEEP SCOLLOPED PATTY PANS.**

PLAIN.

Code.....	Faogessi	Faogimus	Faogluth
Numbers.....	00	0	1
Inches.....	2½	3	3½
Per gross.....	\$2.80	3.10	4.00
Weight per gross, lbs.....	2½	2¾	5½
Code.....	Faokie	Faolago	Faonebit
Numbers.....	2	3	New pattern
Inches.....	4	4½	3
Per gross... ..	\$5.20	7.60	3.70
Weight per gross, lbs.....	7¼	8¼	3

One-half gross in a package.

**OBLONG PATTY PANS.**

PLAIN.

Code .....	Fapaorum
Inches.....	8¾ x 2¾
Per gross.....	\$3.10
Weight per gross, lbs.....	4¼

One-half gross in a package.

**STAR PATTY PANS.**

PLAIN.

Code .....	Faparon
Inches.....	8¾
Per gross.....	\$4.00
Weight per gross, lbs.....	4¼

One-half gross in a package.

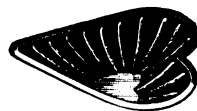


**HEART PATTY PANS.**

PLAIN.

Code .....	Fapascato
Inches.....	8x8
Per gross.....	\$4.00
Weight per gross, lbs.....	4½

One-half gross in a package.

**SHELL PATTY PANS.**

PLAIN.

Code.....	Fapedrio
Inches.....	2¾
Per gross.....	\$4.00
Weight per gross, lbs.....	4 ½

One-half gross in a package.

**LEAF PATTY PANS.**

PLAIN.

Code.....	Fapelamos
Inches.....	2⅝x4
Per gross.....	\$3.10
Weight per gross, lbs.....	4½

One-half gross in a package.

**SHEAF PATTY PANS.**

PLAIN.

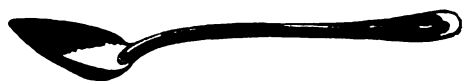
Code.....	Fapelarios
Inches.....	4½x2⅝
Per gross.....	\$3.10
Weight per gross, lbs.....	4¼

One-half gross in a package.



**BASTING SPOONS—LIGHT.**

RETINNED. SOLID THREADED.



Code.....	Faperculi	Fapernaba	Faperosa	Faperquen
Numbers.....	<b>010</b>	<b>012</b>	<b>014</b>	<b>016</b>
Inches.....	10	12	14	16
Per dozen.....	\$1.10	1.30	1.60	1.90
Wt. per doz., lbs.....	1	1½	2	2½

One dozen in a package.

**BASTING SPOONS—EXTRA STRONG.**

RETINNED. SOLID THREADED.



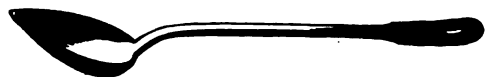
Code.....	Fapidness	Fapified	Fapillos
Inches.....	<b>10</b>	<b>12</b>	<b>14</b>
Per dozen.....	\$1.60	1.80	2.10
Weight per doz., lbs.....	1¾	2½	2¾

Code.....	Fapiscopes	Fapisimos	Fapistin
Inches.....	<b>16</b>	<b>18</b>	<b>20</b>
Per dozen.....	\$2.60	3.20	4.20
Weight per doz., lbs.....	2¾	3¾	4¾

One dozen in a package.

**BASTING SPOONS—FORCED.**

RETINNED.

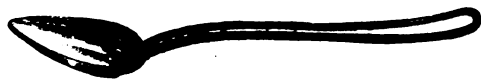


Code.....	Fapmento	Fapmeron	Fapmical	Fapminta	Fapmutes
Inches.....	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>
Per dozen.....	\$2.40	2.90	3.40	4.00	4.40
Wt. per doz., lbs..	2¾	3	4¼	5¼	6½

Two dozen in a box.

**BASTING SPOONS.**

RETINNED. WIRE HANDLES.



Code.....	Fapogato	Fapionate	Faporum	Fapozano
Inches.....	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>
Per dozen.....	\$1.10	1.20	1.30	1.80
Weight per doz., lbs..	1¾	2½	2½	2¾

One dozen in a package.

**ICE CREAM SPOONS.**

RETINNED. WOOD HANDLES.



Code.....	Fapraissi	Fapremo	Fapricos
Numbers.....	<b>212</b>	<b>214</b>	<b>216</b>
Inches.....	12	14	16
Per dozen.....	\$9.50	10.50	11.50
Weight per doz., lbs.....	5¾	6¼	6¾

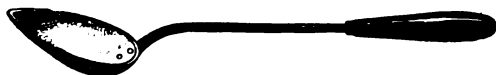
One-half dozen in a package.

**PRESERVE SPOONS.**

RETINNED. WOOD HANDLES.

Code .....	Faracan	Farachico	Farakengi	Faralango
Inches .....	10	12	14	16
Per dozen.....	\$1.80	2.10	2.40	2.90
Weight per doz., lbs..	2¼	2½	3	4

One-half dozen in a package.

**CAKE SPOONS—HEAVY.**

RETINNED. WOOD HANDLES.

Code.....	Faraway
Inches.....	10½
Per dozen .....	\$1.40
Weight per doz., lbs.....	2½

One-half dozen in a package.





## SECTION 2.

### PLANISHED WARE.



HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK.

## PLANISHED WARE.

In ordering these goods by telegraph it is only necessary to use the code word over the number or size of the article wanted in the following section preceeded by words from telegraphic code in front of book.

**Example:** Criticun acidulias farbodem.

**Translation:** Ship at once five and one-half dozen eighteen inch oval Planished Chafing Dishes.



## DREDGE BOXES.

PLANISHED.

Code.....	Farbarus
Number.....	3
Inches.....	4½x2½
Per dozen.....	\$7.00
Weight per doz., lbs.....	2

One dozen in a package.



## CHARLOTTE RUSSE CUPS.

PLANISHED.

Code.....	Farberfett
Number.....	1
Inches.....	3x2¾
Per dozen.....	\$6.00
Weight per doz., lbs.....	2¼

One-quarter dozen in a package.



## OVAL CHAFING DISHES— COMPLETE.

PLANISHED. WITH IMPERIAL COVERS.

Consisting of Stand, Lamp, Water Pan, Plate and Cover.

Code .....	Farbinder	Farblazen	Farblume	Farbodern
Inches.....	12	14	16	18
Each.....	\$19.00	22.40	25.80	31.20
Weight each, lbs...	4½	6	7¾	10

Code .....	Farbonite	Farborden	Farbrand
Inches.....	20	22	24
Each.....	\$39.00	47.00	56.00
Weight each, lbs.....	13	17	22

One in a package.

## OVAL IMPERIAL DISH COVERS.

PLANISHED.

Code.....	Farbunt	Farbysem	Farcalan	Farcar
Inches.....	12	14	16	18
Each.....	\$8.00	9.00	10.00	12.00
Weight each, lbs.....	1½	2	2¾	3½

Code.....	Farchado	Fardava	Fardevin
Inches.....	20	22	24
Each.....	\$16.00	20.00	24.00
Weight each, lbs.....	4½	6	8

One in a package.



## OVAL LOW DISH COVERS.

PLANISHED.

Code.....	Fardisant	Fardocus	Fardroth
Inches.....	18	20	22
Each.....	\$10.00	12.00	15.00
Weight each, lbs.....	2	3	4

One in a package.



**OVAL CHAFING DISH PLATES.**

PLANISHED. OUTSIDE MEASUREMENTS.

Code.....	Fareggi	Farelaron	Farelete	Farelicas
Inches.....	12	14	16	18
Each.....	\$4.00	5.00	6.00	8.00
Weight each, lbs.....	$\frac{3}{4}$	$1\frac{1}{8}$	$1\frac{3}{4}$	2
Code.....	Farello	Farenflor	Farenkopf	
Inches.....	20	22	24	
Each.....	\$10.00	12.00	14.00	
Weight each, lbs.....	3	4	$4\frac{3}{4}$	

One in a package.

**OVAL CHAFING DISH WATER PANS.**

HEAVY TIN. FOR PLATES.

Code.....	Farfados	Farfaran	Farfates	Farfes
Inches.....	12	14	16	18
Each.....	\$2.00	2.40	2.80	3.20
Weight each, lbs.....	$\frac{5}{8}$	1	1	$1\frac{1}{2}$
Code.....	Farfluss	Farfrau	Farfuchs	
Inches.....	20	22	24	
Each.....	\$4.00	5.00	6.00	
Weight each, lbs.....	$1\frac{3}{4}$	2	$2\frac{1}{2}$	

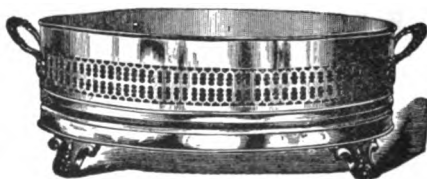
Made to order.

**OVAL CHAFING DISH STANDS AND LAMPS.**

PLANISHED. FOR PLATES.

Code.....	Fargement	Fargend	Fargiono	Fargoer
Inches.....	12	14	16	18
Each.....	\$5.00	6.00	7.00	8.00
Weight each, lbs.....	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$
Code.....	Fargruss	Farhark	Farhelle	
Inches.....	20	22	24	
Each.....	\$9.00	10.00	12.00	
Weight each, lbs.....	$3\frac{3}{4}$	$3\frac{3}{4}$	$4\frac{1}{2}$	

One in a package.

**ROUND VEGETABLE DISHES.**

PLANISHED. FOR HOT WATER.

Code.....	Farimetro
Inches.....	9
Each.....	\$5.00
Weight each, lbs.....	$2\frac{1}{4}$

One in a package.

**LIQUOR MIXERS.**

PLANISHED.

Code.....	Faring	Farkasse	Farknot
Numbers.....	0	1	2
Pints.....	$\frac{3}{4}$	1	$1\frac{1}{2}$
Inches.....	$3\frac{1}{4} \times 4$	$3\frac{1}{2} \times 4\frac{1}{4}$	$3\frac{3}{4} \times 5\frac{1}{4}$
Per dozen.....	\$5.00	6.00	7.00
Weight per doz., lbs.....	$1\frac{3}{4}$	2	$2\frac{1}{2}$

One dozen in a package.



## **OVAL JELLY MOULDS.**

PLANISHED. ASSORTED PATTERNS. WITH RIMS.

Code.....	Farlatos	Farlieg	Farlino	Farlogo
Pints .....	$\frac{1}{4}$	$\frac{1}{2}$	1	$1\frac{1}{2}$
Per dozen .....	\$4.00	10.00	12.00	14.00
Weight per doz., lbs..	1	$2\frac{1}{2}$	$3\frac{3}{4}$	$4\frac{1}{2}$
Code.....	Farloom	Farlotta	Farludo	
Pints .....	2	8	4	
Per dozen .....	\$18.00	22.00	28.00	
Weight per doz., lbs .....	$6\frac{3}{4}$	$6\frac{3}{4}$	7	

One-half dozen in a package.

## **RICE MOULDS.**

PLANISHED. TUBED.

Code.....	Farmals	Farmando	Farmark
Numbers .....	1	2	8
Pints .....	3	5	7
Each .....	\$3.00	4.00	5.00
Weight each, lbs.....	$\frac{3}{4}$	1	$1\frac{1}{2}$

One in a package.

## **OVAL MELON MOULDS.**

PLANISHED. STAMPED.

Code.....	Farmatism	Farmicos	Farminum	Farmosco
Numbers .....	80	40	50	55
Pints .....	2	$2\frac{3}{4}$	3	$3\frac{1}{2}$
Inches.....	$6\frac{3}{4} \times 5$	$7\frac{1}{4} \times 5\frac{1}{4}$	$7\frac{1}{4} \times 6$	$8 \times 6$
Per dozen.....	\$20.00	22.00	24.00	28.00
Wt. per doz., lbs....	$6\frac{3}{4}$	$7\frac{1}{2}$	$8\frac{1}{4}$	9
Code.....	Farnago	Farname	Farnebas	Farnidos
Numbers .....	60	70	80	90
Pints.....	4	$4\frac{1}{2}$	$5\frac{1}{2}$	7
Inches .....	$8\frac{1}{4} \times 6\frac{1}{4}$	$8\frac{3}{4} \times 6\frac{1}{2}$	$9\frac{1}{2} \times 7$	$10 \times 7\frac{1}{2}$
Per dozen .....	\$28.00	30.00	34.00	38.00
Wt. per doz., lbs....	$9\frac{3}{4}$	$10\frac{1}{2}$	12	15

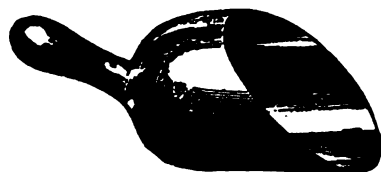
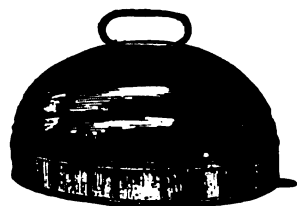
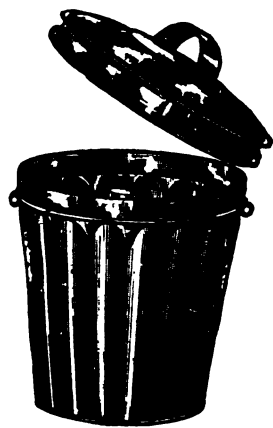
One in a package.

## **SEAMLESS SCOOPS.**

PLANISHED.

Code.....	Farodator	Faropolis	Farpacht	Farpelle
Numbers. ....	59	60	61	$61\frac{1}{2}$
Inches .....	$2\frac{1}{4} \times 1\frac{1}{8}$	$3\frac{1}{4} \times 2\frac{1}{4}$	$4 \times 3$	$4\frac{3}{4} \times 3\frac{1}{2}$
Per dozen .....	\$8.00	10.00	12.00	18.00
Wt. per doz., lbs....	1	$1\frac{1}{2}$	$2\frac{1}{4}$	$3\frac{3}{4}$
Code .....	Farpingo	Farpitral	Farplant	Farplot
Numbers.. ....	62	63	64	65
Inches .....	$5\frac{3}{4} \times 4$	$7\frac{1}{2} \times 4\frac{1}{2}$	$8 \times 5\frac{1}{4}$	$10 \times 6\frac{1}{2}$
Per dozen.....	\$20.00	26.00	32.00	40.00
Wt. per doz., lbs....	6	$6\frac{3}{4}$	$10\frac{1}{2}$	14

One-sixth dozen in a package.



**CUP STRAINERS.**

PLANISHED.

Code.....	Farspano
Number .....	1
Inches .....	3¼ x 3
Per dozen .....	\$12.00
Weight per doz., lbs. ....	2½
One-half dozen in a package.	

**OVAL SOUP TUREENS.**

PLANISHED.

Code.....	Farspeler	Farspitz	Farstock
Numbers .....	1	2	3
Quarts .....	3	4	6
Each .....	\$7.00	8.00	10.00
Weight each, lbs. ....	1¾	2¼	2½
Code.....	Farstrim	Farstube	Farswipe
Numbers .....	4	5	6
Quarts .....	8	10	13
Each .....	\$12.00	14.00	16.00
Weight each, lbs. ....	2¾	3¾	4¾
One in a package.			

**OVAL SOUP TUREENS.**

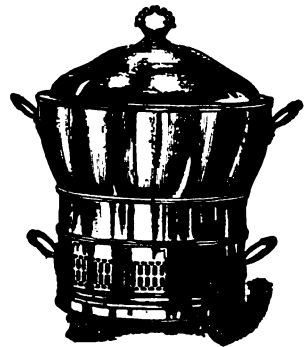
PLANISHED. WITH RIM FOOT.

Code.....	Farveil	Farvero	Farvist
Numbers .....	20	30	40
Quarts .....	4	6	8
Each .....	\$10.00	11.00	13.00
Weight each, lbs. ....	2½	3	3¾
Code.....	Farvole	Farvorm	
Numbers .....	50	60	
Quarts .....	10	13	
Each .....	\$15.00	18.00	
Weight each, lbs. ....	4½	5	
One in a package.			

**OVAL SOUP TUREENS.**

PLANISHED. WITH STANDS AND WATER PANS.

Code.....	Farwacht	Farweben	Farwend
Numbers .....	200	300	400
Quarts .....	4	6	8
Each .....	\$18.00	20.00	22.00
Weight each, lbs. ....	4¾	5½	6
Code.....	Farwiltz	Farwitz	Farwolf
Numbers .....	500	600	700
Quarts .....	10	13	18
Each .....	\$26.00	30.00	34.00
Weight each, lbs. ....	7¾	7¾	9¾
One in a package.			

**HEAVY TEA POTS.**

PLANISHED. COPPER BOTTOMS.

Code.....	Fasador
Number .....	880
Pints .....	3¾
Inches .....	5¾ x 3¾
Per dozen.....	\$7.00
Weight per doz., lbs. ....	4½
One in a package.	



## SECTION 3.

### HOTEL, RESTAURANT AND STEAMSHIP WARE.

PLANISHED COPPER

HAMMERED COPPER

RETINNED WROUGHT STEEL

POLISHED TIN AND

GALVANIZED IRON



# HOLBROOK, MERRILL & STETSON,

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES

AND NEW YORK

## HOTEL WARE.

Goods in this section are extra heavy and represent the best that money, skill and high class workmanship can produce.

In ordering these goods by telegraph it is only necessary to use the code word over the number or size of the article wanted preceded by words from the telegraphic code in front of this book.

Example: Crustosi aciparado faserino abanican fatillus fatapsos.

Translation: Ship in addition to previous order one-half dozen one hundred Hotel Ladles and one hundred and forty-five Copper Hotel Saucepans and Covers.

Send for special catalogue of Hotel Supplies.

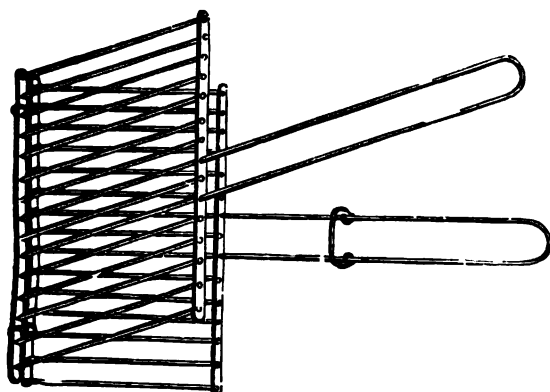


**HOTEL BEATING BOWLS.**

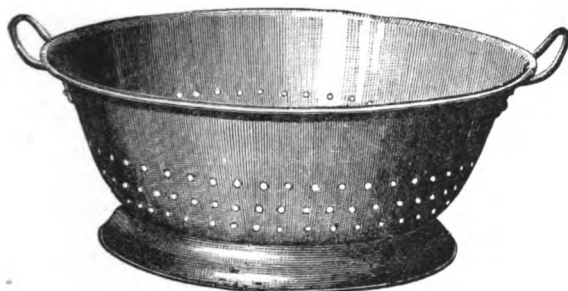
RETINNED. EXTRA STRONG.

Code .....	Fasaline	Fasalisch	Fasaloid
Quarts.....	14	17	21
Inches.....	14 $\frac{1}{2}$ x7 $\frac{1}{4}$	16 $\frac{3}{4}$ x7 $\frac{1}{4}$	18 $\frac{1}{2}$ x7 $\frac{1}{4}$
Each .....	\$3.00	3.60	4.40
Weight each, lbs.....	2	2 $\frac{1}{2}$	3

One-quarter dozen in a package.

**HOTEL BROILERS OR GRIDIRONS.**SMOOTH STEEL. HANDLES  $\frac{1}{4}$ -INCH RODS.BROILER  $\frac{3}{16}$ -INCH RODS.

Code.....	Fasamilla	Fasampo	Fasantic	Fasarado
Numbers.....	11	15	17	19
Inches.....	14x10	10x14	11x16 $\frac{1}{2}$	14x18
Number of bars	11	15	17	19
Per dozen ...	\$27.00	30.00	33.00	40.00
Wt. per doz., lbs	60	63	69	84

**HOTEL COLANDERS.**

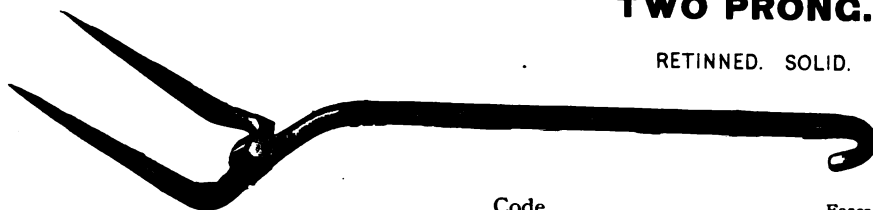
RETINNED. SEAMLESS.

Code.....	Fasarine	Fasatrabo	Fasatti	Fasavello
Numbers...	110	114	217	321
Inches.....	13 $\frac{1}{4}$ x4 $\frac{1}{4}$	16 $\frac{1}{2}$ x5 $\frac{1}{2}$	17 $\frac{1}{4}$ x6	19 $\frac{1}{2}$ x7 $\frac{1}{4}$
Each .....	\$2.60	3.30	4.00	4.80
Wt. each, lbs.	2	2 $\frac{1}{2}$	3	4

One in a package.

**HOTEL FLESH FORKS—  
TWO PRONG.**

RETINNED. SOLID.



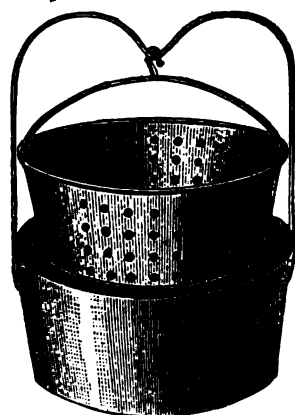
Code .....	Fascaban	Fascitam
Numbers.....	200	240
Inches.....	20	24
Per dozen.....	\$11.00	14.30
Weight per doz., lbs .....	12	14

One-half dozen in a package.

**EXTRA DEEP HOTEL FRYERS.**

POLISHED WROUGHT STEEL.

Code.....	Faselare	Faselines	Fasercum
Numbers.....	<b>180</b>	<b>140</b>	<b>160</b>
Inches.....	13x5½	14x6	16x6½
Each.....	\$8.70	10.30	16.00
Weight each, lbs.....	6	7½	12½

**HOTEL LADLES—SOLID.**

RETINNED.



Code.....	Faserino	Fashaken	Fasheen
Numbers.....	<b>100</b>	<b>200</b>	<b>300</b>
Inches.....	5½x2½	6x2¾	7¾x4½
Per dozen.....	\$8.80	11.00	15.40
Weight per doz., lbs.....	10	12	20

One-half dozen in a package.

**HOTEL LADLES—PIERCED.**

RETINNED.



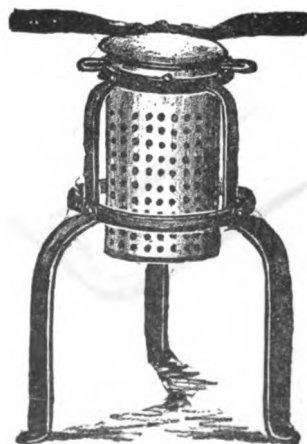
Code.....	Fashepus	Fashoben	Fashorma
Numbers.....	<b>100</b>	<b>200</b>	<b>300</b>
Inches.....	5½x2½	6x2¾	7¾x4½
Per dozen.....	\$9.90	12.00	16.50
Weight per doz., lbs.....	10	12	20

One-half dozen in a package.

**HOTEL PLUNCER POTATO MASHERS.**

RETINNED BODY. STEEL FRAME. HARDWOOD PLUNCER.

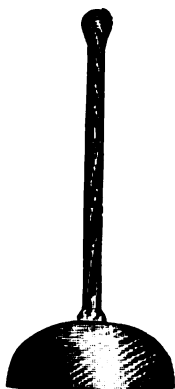
Code.....	Fasiabo	Fasial
Numbers.....	<b>1</b>	<b>2</b>
Diameter of plunger, inches.....	5¼	8¼
Diameter of body, inches.....	6	9
Height over all, inches.....	27	33
Height of body, inches.....	13½	14½
Each.....	\$14.00	16.00
Weight each, lbs.....	25	61



**HOTEL POTATO MASHERS.**

HARDWOOD. LONG SOLID HANDLES.

Code.....	Fasiantis
Number .....	8
Diameter, inches .....	3 $\frac{3}{4}$
Length, inches.....	18
Per dozen.....	\$5.00
Weight per doz., lbs.....	20

**HOTEL POTATO MASHERS.**

HARDWOOD. LONG SCREW HANDLES.

Code .....	Fasiator
Number .....	4
Diameter, inches .....	8
Length, inches.....	18
Each .....	\$2.50
Weight each, lbs .....	4 $\frac{1}{2}$

**FISH KETTLES.**

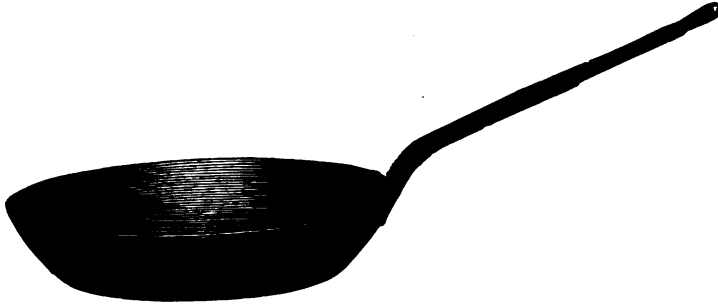
JAPANNED. TINNED INSIDE. WITH SIDE HANDLES. WITH INSIDE PERFORATED TRAY.

Code.....	Fasiculi	Fasigello	Fasigeno
Numbers.....	18	20	22
Inches.....	18 $\frac{1}{2}$ x 8 x 5 $\frac{1}{2}$	20 $\frac{1}{4}$ x 9 x 5 $\frac{3}{4}$	22 $\frac{1}{4}$ x 9 $\frac{1}{4}$ x 6
Each .....	\$5.00	6.00	7.00
Weight each, lbs.....	4	5	5 $\frac{3}{4}$

One in a package.

**DEEP HOTEL FRY PANS.**

FRENCH PATTERN. WROUGHT STEEL. POLISHED.



Code .....	Fasiloque	Fasinar	Fasioli	Fasiolum	Fasipetal	Fasipetis	Fasipiano
Numbers .....	16	18	20	24	28	32	36
Inches.....	6½x1½	7½x1¾	8x1¾	9½x2	11¼x2¼	13x2½	14½x2¾
Bottom, diameter .....	4¾	4¾	5	6¼	8	9	10
Per dozen.....	\$5.50	6.60	7.70	9.90	13.20	17.60	22.00
Weight per doz., lbs .....	8	10	14	20	27	36	40

One-half dozen in a package.

**HOTEL DISH PANS.**

EXTRA HEAVY. WROUGHT IRON. TINNED.

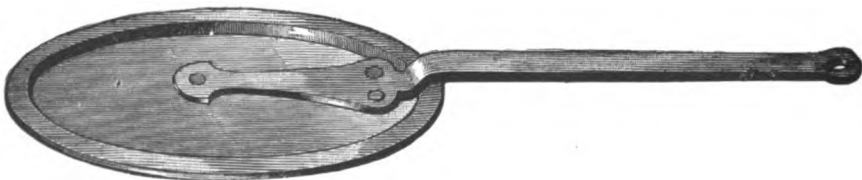
Code.....	Fasking	Faskleur	Faskrug
Quarts.....	40	60	100
Inches.....	24¼x7½	27x8¼	29x12
Per dozen .....	\$75.60	138.60	283.50

One dozen in a case.

Full assortment of smaller sizes in stock.

**HOTEL SAUCE PAN COVERS.**

RETINNED.



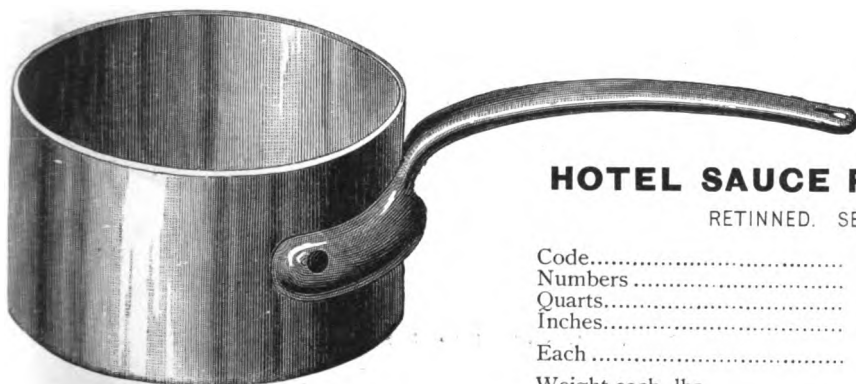
Code.....	Faslaag	Faslarich	Fasloties	Fasochi	Fasodonat	Fasomago	Fasopolem	Faspieta	Faspitum
Numbers .....	335	340	345	348	350	355	365	375	385
Inches.....	5	6	7	8¾	9¾	11¾	13¾	14	15
Each .....	\$0.60	0.70	0.90	1.10	1.50	1.90	2.20	2.60	2.90
Weight each, lbs .....	¾	1½	¾	1¼	1¾	2½	2¾	3¾	3¾



### HOTEL SAUCE PANS—SHALLOW.

RETINNED. SEAMLESS.

Code.....	Fassadera	Fasscalo	Fasschak	Fasschot
Numbers .....	45	50	55	65
Quarts. ....	2	4½	6½	9
Inches. ....	7x2¾	9¾x3½	11¾x3¾	13¾x4
Each .....	\$2.70	4.40	4.50	6.60
Weight each, lbs.....	2¾	5	6¾	8¾



### HOTEL SAUCE PANS—DEEP.

RETINNED. SEAMLESS.

Code.....	Fassermo	Fasslede	Fassolva
Numbers .....	135	140	145
Quarts. ....	1½	2	3
Inches. ....	5x4	6x4¾	7x4¾
Each .....	\$2.20	2.70	3.30
Weight each, lbs.....	1¾	1¾	3¾

Code.....	Fasspiel	Fasstall	Fasstar	Fasstate	Fasstern	Fasstire
Numbers .....	148	150	155	165	175	185
Quarts. ....	4½	6½	10	16½	20	24
Inches. ....	8¾x5½	9¾x5½	11¾x6	13¾x7½	14x8	15x9
Each .....	\$4.40	4.50	6.60	8.80	11.00	13.20
Weight each, lbs.....	4¾	5¾	7¾	11¾	13½	15¾



### HOTEL SAUCE PANS—DEEP.

RETINNED. SEAMLESS.

Code .....	Fastable	Fastacol	Fastafel
Numbers .....	235	240	245
Quarts. ....	2	3	4½
Inches .....	5x4½	6x5¾	7x5¾
Each .....	\$2.60	3.30	4.40
Weight, each, lbs.....	1¾	2¾	3¾

Code .....	Fastando	Fastaran	Fastargis	Fastelote	Fastent	Fastergo
Numbers .....	248	250	255	265	275	285
Quarts. ....	6	8	13½	21	24	30
Inches. ....	8¾x6¾	9¾x6¾	11¾x8	13¾x8¾	14x9¾	15x10¾
Each .....	\$5.50	6.60	7.70	9.90	12.10	15.40
Weight each, lbs .....	4¾	5¾	8¾	13¾	15¾	18¾

## HOTEL COVERED SOUP STOCK POTS.

RETINNED. SEAMLESS. NO FAUCET.

Code.....	Fasteur	Fasthide	Fastino
Numbers.....	12	24	36
Inches.....	10½x10¼	13x11¾	15x14
Gallons.....	3	6	9
Each.....	\$6.60	9.90	12.10
Weight each, lbs.....	12¾	14¾	21½



## HOTEL COVERED SOUP STOCK POTS.

RETINNED. SEAMLESS. WITH 1 INCH BRASS FAUCET.

Code.....	Fastival	Factorial	Fasturam
Numbers.....	112	124	136
Inches.....	10½x10¼	13x11¾	15x14
Gallons.....	3	6	9
Each.....	\$14.30	17.60	19.80
Weight each, lbs.....	14¾	17¾	23¾

## HOTEL SKIMMERS.

FLAT. RETINNED.

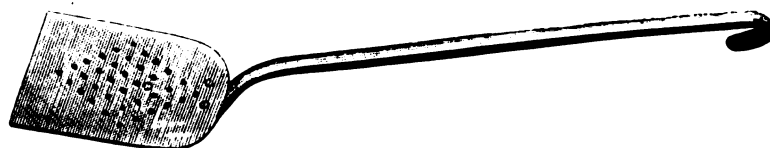


Code.....	Fasundo	Fasurosi
Numbers.....	150	180
Inches.....	6½	7¾
Per dozen .....	\$8.80	10.50
Weight one dozen loose, lbs.....	10	16

One-half dozen in a package.

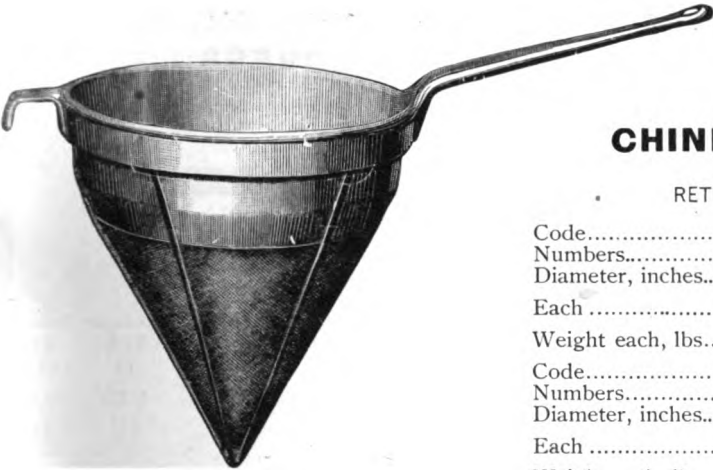
## HOTEL ECC SLICERS.

RETINNED.



Code.....	Fatacazos
Number.....	265
Inches.....	21
Per dozen .....	\$10.50
Weight one dozen loose, lbs.....	12

One-half dozen in a package.



CHINESE STRAINERS.

RETINNED. EXTRA STRONG.

Code.....	Fatadore	Fatahola	Fatalero
Numbers.....	60	70	75
Diameter, inches.....	6	7	7½
Each .....	\$3.70	4.40	4.50
Weight each, lbs.....	1	1½	2
Code.....	Fatalimi	Fataltic	
Numbers.....	80	90	
Diameter, inches.....	8	9	
Each .....	\$8.60	7.70	
Weight each, lbs.....	2½	4	

CAKE TURNERS.

RETINNED. STEEL BLADES.

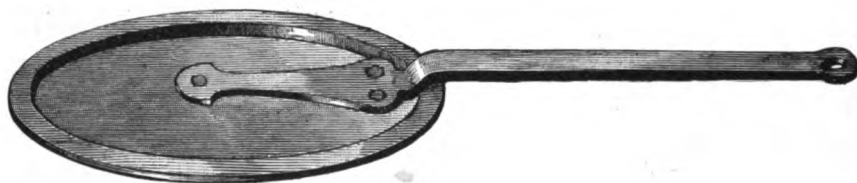


Code .....	Fatamoso
Number .....	160
Inches .....	18
Per dozen .....	\$8.80
Weight per doz., lbs .....	10

One-half dozen in a package.

**COPPER HOTEL SAUCE PAN COVERS.**

PLANISHED. TINNED INSIDE.



Code.....	Fatampis	Fatappin	Fatapsos	Fatapsum	Fatarian	Fatedras	Fatelet	Fatellone	Fatenias
Numbers.....	<b>385</b>	<b>340</b>	<b>345</b>	<b>348</b>	<b>350</b>	<b>355</b>	<b>365</b>	<b>375</b>	<b>385</b>
Inches.....	5	6	7	8 $\frac{3}{8}$	9 $\frac{3}{4}$	11 $\frac{3}{8}$	13 $\frac{3}{4}$	14	15
Each.....	\$1.30	1.50	2.00	2.20	3.10	3.90	5.00	5.50	6.60
Weight each, lbs.....	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	2	2 $\frac{1}{2}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$

**COPPER HOTEL SAUCE PANS—SHALLOW.**

PLANISHED. TINNED INSIDE.



Code.....	Fatenosi	Fateraban	Faterva	Fatetos	Fateux	Fatianus	Faticomis	Fatidrisi	Fatigue
Numbers.....	<b>35</b>	<b>40</b>	<b>45</b>	<b>48</b>	<b>50</b>	<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>
Quarts.....	1	1 $\frac{1}{2}$	2	3	4 $\frac{1}{2}$	6 $\frac{1}{2}$	9	12	16
Inches.....	5x2 $\frac{1}{2}$	6x2 $\frac{5}{8}$	7x2 $\frac{3}{4}$	8 $\frac{3}{8}$ x3 $\frac{1}{8}$	9 $\frac{3}{4}$ x3 $\frac{1}{2}$	11 $\frac{3}{8}$ x3 $\frac{3}{4}$	13 $\frac{1}{4}$ x4	14x4 $\frac{1}{4}$	15x4 $\frac{1}{2}$
Each.....	\$3.30	4.05	5.10	6.60	8.80	11.30	14.30	17.60	20.90
Weight each, lbs.....	1 $\frac{1}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{4}$	3 $\frac{1}{2}$	5	6 $\frac{7}{16}$	8 $\frac{3}{8}$	10 $\frac{3}{8}$	11 $\frac{3}{8}$

**COPPER HOTEL SAUCE PANS—MEDIUM.**

PLANISHED. TINNED INSIDE.



Code.....	Fatilina	Fatillabo	Fatillus	Fatimarur	Fatimuron	Fatinorum	Fatinulos	Fatinuzzo	Fatipetam
Numbers.....	<b>135</b>	<b>140</b>	<b>145</b>	<b>148</b>	<b>150</b>	<b>155</b>	<b>165</b>	<b>175</b>	<b>185</b>
Quarts.....	1 $\frac{1}{2}$	2	3	4 $\frac{1}{2}$	6 $\frac{1}{2}$	10	16 $\frac{1}{2}$	20	24
Inches.....	5x4	6x4 $\frac{3}{8}$	7x4 $\frac{7}{8}$	8 $\frac{3}{8}$ x5 $\frac{1}{8}$	9 $\frac{3}{4}$ x5 $\frac{1}{2}$	11 $\frac{3}{8}$ x6	13 $\frac{1}{4}$ x7 $\frac{1}{8}$	14x8	15x9
Each.....	\$4.40	5.50	6.60	8.80	11.00	14.30	19.70	24.20	30.80
Weight each, lbs.....	1 $\frac{3}{8}$	1 $\frac{5}{16}$	3 $\frac{7}{16}$	4 $\frac{7}{16}$	5 $\frac{1}{4}$	7 $\frac{1}{8}$	11 $\frac{3}{8}$	13 $\frac{1}{2}$	15 $\frac{3}{8}$

The above weights are approximate and are not guaranteed by us.



**COPPER HOTEL SAUCE PANS—DEEP.**

PLANISHED. TINNED INSIDE.



Code.....	Fativolé	Fatlardo	Fatlastri	Fatlinite	Fatlitum
Numbers.....	285	240	245	248	250
Quarts.....	2	3	4½	6	8½
Inches.....	5x4½	6x5¾	7x5¾	8¾x6¾	9¾x6¾
Each.....	\$5.50	6.60	7.70	9.90	12.00
Weight each, lbs.....	1¾	2½ <sub>16</sub>	3½ <sub>16</sub>	4¾	5¾

Code.....	Fatlood	Fatmaken	Fatmeator	Fatmizar
Numbers.....	255	265	275	285
Quarts.....	13½	21	24	30
Inches.....	11¾x8	13¾x8¾	14x9¾	15x10¾
Each.....	\$16.50	24.00	30.70	35.20
Weight each, lbs.....	8¾	13¾	15¾	18½ <sub>16</sub>

**H. M. & S. EXTRA HEAVY COPPER HOTEL SAUCE PANS.**

HAMMERED. HEAVY WROUGHT IRON HANDLES. TINNED INSIDE.

Code.....	Fatnibus	Fatocale	Fatolica	Fatolizar	Fatopsis	Fatorbia
Inches.....	10x1¾	12x2	7x2¾	9¾x8½	11¾x8¾	13¾x4
Quarts.....	1½	2	2	4½	6½	9
Weight, lbs.....	6½	9	5	8	11	14

Code.....	Fatorcena	Fatracci	Fatrapum	Fatramuz	Fatrapos	Fatrecia
Inches.....	5x4	7x4¾	9¾x5½	11¾x6	13¾x7½	14x8
Quarts.....	1½	3	6½	10	16½	20
Weight, lbs.....	2¾	7	10	13	22	26

Code.....	Fatrendo	Fatricado	Fatritude	Fattais	Fattamen	Fattiche
Inches.....	5x4½	6x5¾	7x5¾	7x7	9¾x6¾	11¾x8
Quarts.....	2	3	4½	6	8	13½
Weight, lbs.....	3¾	5	8	9	12	16

Code.....	Fatularia	Fatulimus	Fatullus	Faturiges	Faturigum	Faturra
Inches.....	18¾x8¾	14x10	15x9	15x11	17x11	17x18
Quarts.....	21	31	32	36	46	55
Weight, lbs.....	24	27	28	32	36	40

Per Pound, \$.....

Any size, style or weight made to order.

Above weights approximate and not guaranteed by us.

## COPPER HOTEL SOUP STOCK POTS.

PLANISHED. TINNED INSIDE.

No Faucet.

Code.....	Faturrice	Fauana	Faubaan
Numbers .....	<b>12</b>	<b>24</b>	<b>86</b>
Inches.....	10½x10¼	13x11¼	15x14
Gallons.....	3	6	9
Each.....	\$24.20	33.00	44.00
Weight each, lbs.....	12½ <sup>5</sup> / <sub>16</sub>	14¼	21½



## COPPER HOTEL SOUP STOCK POTS.

PLANISHED. TINNED INSIDE.

With Faucet.

Code.....	Faucable	Faucants	Faucate
Numbers .....	<b>112</b>	<b>124</b>	<b>136</b>
Inches.....	10½x10¼	13x11¼	15x14
Gallons.....	3	6	9
Each .....	\$31.90	40.70	51.70
Weight each, lbs.....	14½ <sup>5</sup> / <sub>16</sub>	17¾	23½ <sup>5</sup> / <sub>16</sub>

## H. M. & S. EXTRA HEAVY COPPER HOTEL STOCK POTS.

HAMMERED. HEAVY WROUGHT IRON HANDLES. TINNED INSIDE.

Code.....	Fauchos	Fauciage	Faucimos	Faudal	Faudassi	Fauklid
Gallons.....	<b>10</b>	<b>15</b>	<b>20</b>	<b>25</b>	<b>30</b>	<b>40</b>
Diameter, inches.....	15	16	18	19	20	22
Height, inches.....	16	18	19	20	22	24
Weight, lbs.....	30	40	50	55	65	80

Per pound, \$.....

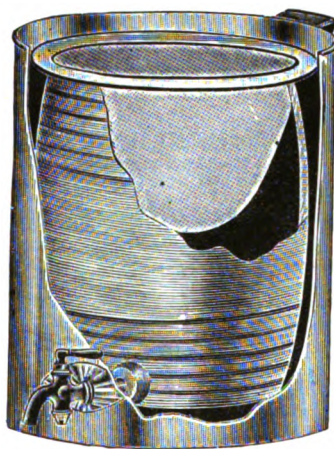
Any size, style or weight made to order.

Above weights are approximate, and are not guaranteed by us.

Retinning Copper Hotel Sauce Pans and Stock Pots a specialty.

**H. M. & S. COPPER HOTEL COFFEE URNS.**

PLANISHED. POLISHED BRASS HANDLES. WITH EARTHEN JAR OR CROCK. IMPERIAL COVER.

**With Milk Heater on top (as shown).**

Code .....	Fauklom	Faukorst	Faultert	Faulisch	Faultelle	Faumiez	Faumist
Gallons .....	<b>2</b>	<b>8</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>10</b>
Inches .....	12¼x21	12½x23	13¼x23½	14x24	15½x25½	16x26	16¾x27
Each .....	\$42.00	51.00	54.00	62.00	66.00	.....	.....
Weight each, lbs.....	27	32	34	38½	52	58	65

If with Crock in Milk Heater, add to above lists \$7.00.

**Without Milk Heater.**

Code .....	Faupaban	Faupado	Fauparant	Faupend	Fauponor	Faupord	Faurale
Gallons .....	<b>2</b>	<b>8</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>10</b>
Inches .....	12¼x15	12½x15¼	13¼x17	14x18	15½x19	16x20	16¾x21
Each .....	\$33.00	42.00	48.00	54.00	62.00	.....	.....
Weight each, lbs.....	22½	24	28½	33	44½	51	55

If flat covers and drop handles are wanted, deduct from list \$6.00.

If full nickel-plated, add to list from \$9.00 to \$13.50, according to size.

**Shipping Measurements of Copper Urns.**

Gallons .....	<b>2</b>	<b>8</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>10</b>
With Milk Heater, cubic feet.....	2⅝ <sub>2</sub>	27 <sub>2</sub>	3	3⅞ <sub>2</sub>	4⅞ <sub>2</sub>	4½	4¾
Without Milk Heater, cubic feet.....	2	2	2¼	2¼	3⅞ <sub>2</sub>	3½	3¾

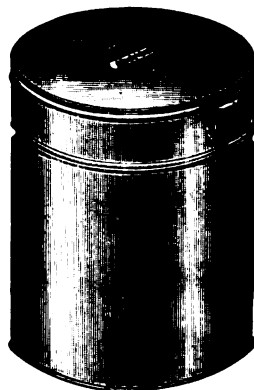
## H. M. & S. TIN SOUP BOILERS— IXXXX.

16 OZ. FLAT COPPER BOTTOMS. NO FAUCET.  
DROP HANDLES.

Code.....	Faurette	Faurien	Faurique	Faurit
Gallons.....	5	7	10	12
Diameter, inches.....	11	12½	14	15
Height, inches.....	13	13	16	17
Each.....	\$2.75	3.00	3.25	3.75
Weight, lbs.....	.....	.....	.....	.....

Code.....	Fausador	Fausalite	Fausaran
Gallons.....	15	18	22
Diameter, inches.....	16¼	17	18
Height, inches.....	17	19	20
Each.....	\$4.00	4.50	7.00
Weight, lbs.....	.....	.....	.....

Can furnish Pitch Covers at same price.



## H. M. & S. TIN SOUP BOILERS— IXXXX.

16 OZ. FLAT COPPER BOTTOMS. WITH FAUCET.  
DROP HANDLES.

Code.....	Fausart	Fauseras	Fausiez	Faustab
Gallons.....	5	7	10	12
Diameter, inches.....	11	12½	14	15
Height, inches.....	13	13	16	17
Each.....	\$5.00	5.50	5.75	6.00
Weight, lbs.....	.....	.....	.....	.....

Code.....	Faustis	Fautela	Fautezza
Gallons.....	15	18	22
Diameter, inches.....	16¼	17	18
Height, inches.....	17	19	20
Each.....	\$6.50	7.00	9.00
Weight, lbs.....	.....	.....	.....

Can furnish Pitch Covers at same price.



## H. M. & S. TIN STOCK BOILERS—IXXXX.

16 OZ. FLAT COPPER BOTTOMS. WITH FAUCET.  
DROP HANDLES. BONE RACK AND STRAINER.

Code.....	Favabimus	Favaborra	Favade	Favamoso
Gallons.....	5	7	10	12
Diameter, inches.....	11	12½	14	15
Height, inches.....	13	13	16	17
Each.....	\$6.00	6.50	6.75	7.00
Weight, lbs.....	.....	.....	.....	.....

Code.....	Favanabo	Favarono	Favaticis
Gallons.....	15	18	22
Diameter, inches.....	16¼	17	18
Height, inches.....	17	19	20
Each.....	\$7.50	8.00	10.00
Weight, lbs.....	.....	.....	.....

Can furnish Pitch Covers at same price.



### Shipping Measurements of Soup and Stock Boilers.

Gallons.....	5	7	10	12	15	18	22
Each, cubic feet.....	1½	2	2¾	3¼	4	4¾	5½



## H. M. & S. TIN POTATO BOILERS—IXXXX.

16 OZ. FLAT COPPER BOTTOMS. DROP HANDLES.

WATER PAN 8 INCHES DEEP.

Code .....	Favaticum	Favatillo	Favatorem
Gallons.....	6	12	18
Inches .....	12x19	15x23	17x25
Each .....	\$4.50	6.00	7.00
Weight, lbs.....	.....	.....	.....

Can furnish tin Pitch Covers at same price.

## H. M. & S. GALVANIZED SOUP BOILERS.

NO FAUCET, DROP HANDLES.

Code.....	Faveale	Faveator	Favernabo	Favernula
Gallons .....	5	7	10	12
Diameter, inches...	11	12½	14	15
Height, inches.....	13	13	16	17
Each .....	\$1.60	1.75	2.00	2.25
Weight, lbs.....	.....	.....	.....	.....

Code.....	Favicale	Faviendo	Favilamas
Gallons.....	15	18	22
Diameter, inches.....	16¼	17	18
Height, inches.....	17	19	20
Each .....	\$2.50	3.00	3.50
Weight, lbs.....	.....	.....	.....

5, 7 and 10 gallon made from No. 24 iron.

12, 15, 18 and 22 gallon made from No. 22 iron.



## H. M. & S. GALVANIZED SOUP BOILERS.

WITH FAUCET. DROP HANDLES.

Code .....	Favillita	Favilloso	Favinole	Favitary
Gallons .....	5	7	10	12
Diameter, inches...	11	12½	14	15
Height, inches.....	13	13	16	17
Each.....	\$3.20	3.35	3.60	3.85
Weight, lbs.....	.....	.....	.....	.....

Code.....	Favolesco	Favolone	Favorismo
Gallons .....	15	18	22
Diameter, inches.....	16¼	17	18
Height, inches.....	17	19	20
Each.....	\$4.10	4.60	5.10
Weight, lbs.....	.....	.....	.....

5, 7 and 10 gallon made from No. 24 iron.

12, 15, 18 and 22 gallon made from No. 22 iron



## H. M. & S. CALVANIZED STOCK BOILERS.

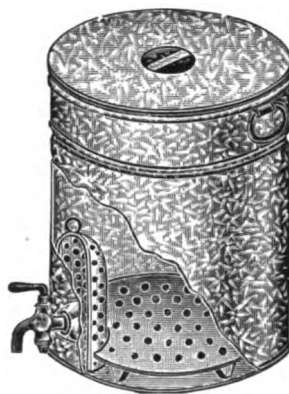
WITH FAUCET. DROP HANDLES. BONE RACK  
AND STRAINER.

Code.....	Favosco	Favoter	Fawlant	Fawlaque
Gallons .....	5	7	10	12
Diameter, inches.....	11	12½	14	15
Height, inches.....	13	13	16	17
Each .....	\$4.10	4.25	4.50	4.75
Weight, lbs.....	.....	.....	.....	.....
Code.....	Fawnart	Fawnetur	Fawnisco	
Gallons .....	15	18	22	
Diameter, inches.....	16¼	17	18	
Height, inches.....	17	19	20	
Each .....	\$5.25	5.75	7.00	
Weight, lbs.....	.....	.....	.....	

5, 7 and 10 gallon made from No. 24 iron.

12, 15, 18 and 22 gallon made from No. 22 iron.

For shipping measurements see page 58.



## H. M. & S. CALVANIZED POTATO BOILERS AND STEAMERS.

DROP HANDLES. WATER PAN 6 INCHES DEEP.

Code .....	Fawnita	Fawstadt	Fayance
Gallons .....	6	12	18
Inches .....	12x19	15x23	17x25
Each .....	\$.....	.....	.....
Weight, lbs.....	.....	.....	.....

6 gallon made from No. 24 iron.

12 and 18 gallon made from No. 22 iron.



## H. M. & S. TIN SOUP STRAINERS—IXXX.

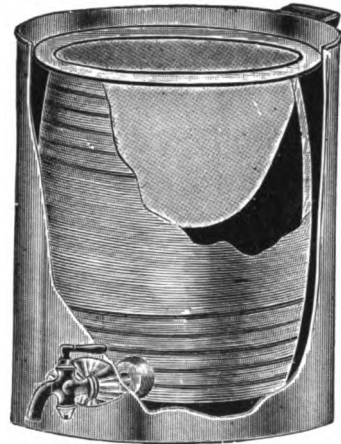
EXTRA HEAVY. POLISHED.

Code.....	Faycorum	Faycos
	Small.	Large.
Top diameter, inches.....	9½	10¾
Per dozen .....	\$12.00	13.50
1 doz. loose, lbs.....	24	30



**H. M. & S. TIN HOTEL COFFEE URNS—IXXXX.**

16-OZ. FLAT COPPER BOTTOM. DROP HANDLES. WITH EARTHEN JAR OR CROCK. FLAT COVERS.

**With Milk Heater on top (as shown).**

Code .....	Faylaris	Faylence	Faymand	Faymissor	Faymoes	Faymur	Faypoll
Gallons .....	2	3	4	5	6	8	10
Inches .....	12¼ x 21	12½ x 23	13¼ x 23½	14 x 24	15½ x 25½	16 x 28	16¾ x 27
Each .....	\$24.00	27.00	30.00	32.00	38.00	42.00	.....
Weight, each, lbs.....	27	32	34	38½	52	58	65

If with Crock in Milk Heater, add to above list \$6.00.

**Without Milk Heater.**

Code .....	Faysant	Fayspare	Faystand	Faystill	Faystola	Faystros	Faywall
Gallons.....	2	3	4	5	6	8	10
Inches.....	12¼ x 15	12½ x 15¼	13¼ x 17	14 x 18	15½ x 19	16 x 20	16¾ x 21
Each .....	\$18.00	20.00	22.00	24.00	30.00	34.00	.....
Weight each, lbs .....	22½	24	28½	33	44½	51	55

**Shipping Measurements of Tin Urns.**

Gallons .....	2	3	4	5	6	8	10
With Milk Heater, cubic feet.....	2 <sup>5</sup> / <sub>12</sub>	2 <sup>7</sup> / <sub>12</sub>	3	3 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>6</sub>	4 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>4</sub>
Without Milk Heater, cubic feet .....	2	2	2¼	2 <sup>2</sup> / <sub>3</sub>	3 <sup>1</sup> / <sub>6</sub>	3½	3¾





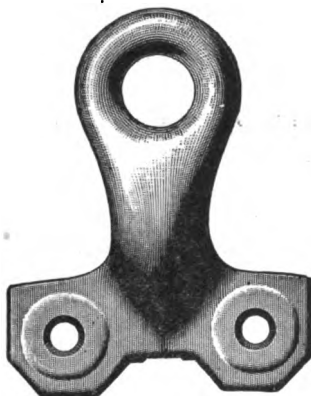
## SECTION 4.

TINNERS' TRIMMINGS

TINNERS' SUPPLIES

BRASS, COPPER AND STEEL WIRE

SHEET METALS, ROOFING, ETC.



# HOLBROOK, MERRILL & STETSON.

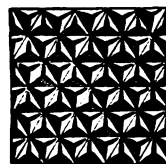
INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK.

**CRATER BLANKS.****DIAMOND PATTERN.**

Code.....	Fazador	Fazambo	Fazelle
Sheet.....	$\frac{1}{4}$	$\frac{1}{2}$	<b>1</b>
Inches.....	$4\frac{5}{8} \times 6\frac{3}{4}$	$6\frac{3}{4} \times 9\frac{1}{4}$	$9\frac{1}{2} \times 13$
Per dozen.....	\$0.80	1.30	2.80
Weight per doz., lbs.....	1 $\frac{1}{8}$	2	4 $\frac{3}{8}$

One dozen in a package.

**WASH BOWL BOTTOMS.**

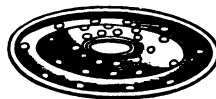
Code.....	Fazique
Inches.....	<b>Large 6<math>\frac{3}{8}</math></b>
Per dozen.....	\$0.50
Weight per gross, lbs.....	14

One-half gross in a package.

**STEAMER BOTTOMS.**

Code.....	Fazoleta	Fazula	Fazurra
Inches.....	<b>9</b>	<b>10</b>	<b>11</b>
Per dozen.....	\$2.30	2.50	2.80
Weight per doz., lbs.....	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$

One dozen in a package.

**ROUND TEA POT BREASTS AND COVERS.****SPUN COVERS. NOT RIMMED.**

Code.....	Feachie	Feachiot	Feachize	Feachoar
Numbers.....	<b>163</b>	<b>164</b>	<b>165</b>	<b>166</b>
Pints.....	2	3	4	6
Inches.....	$4\frac{5}{16}$	$4\frac{1}{16}$	5	$5\frac{5}{8}$
Per dozen.....	\$1.60	1.80	1.90	2.10

One-half gross in a package.

**ROUND TEA POT BREASTS AND COVERS.****SPUN COVERS. RIMMED.**

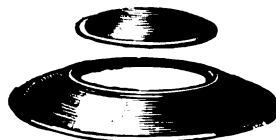
Code.....	Feachpant
Number.....	<b>181</b>
Pints.....	1
Inches.....	$3\frac{1}{16}$
Per dozen.....	\$.....

One-half gross in a package.

**TEA KETTLE BREASTS—IC.****WITH PLAIN COVERS.**

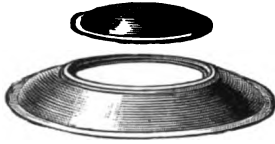
Code.....	Feachura	Feadapel	Feadare	Feadasch	Feademico
Inches.....	<b>7<math>\frac{1}{2}</math></b>	<b>8<math>\frac{1}{2}</math></b>	<b>9<math>\frac{1}{2}</math></b>	<b>10<math>\frac{1}{2}</math></b>	<b>11<math>\frac{1}{2}</math></b>
Per dozen.....	\$1.80	2.10	2.50	3.10	3.60
Wt. per doz., lbs.	2	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3 $\frac{3}{4}$	4 $\frac{1}{4}$

One dozen in a package.



**TEA KETTLE BREASTS—IX.**

WITH PLAIN COVERS.

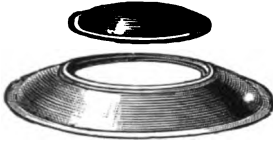


Code .....	Feadesti	Feadible
Inches.....	8½	9
Per dozen.....	\$2.40	2.80
Weight per doz., lbs.....	3½	3¾

One dozen in a package.

**TEA KETTLE BREASTS—IXX.**

WITH PLAIN COVERS.



Code.....	Feadilare	Feadist	Feadito	Feadrigar
Inches.....	9½	10½	11½	12½
Per dozen.....	\$3.80	4.40	5.40	6.80
Weight per doz., lbs...	4¾	5¾	6¾	6¾

One dozen in a package.

**TEA KETTLE BREASTS—IC.**

NO COVERS.



Code.....	Feadrines	Feagang	Feagonos	Feakers	Feaketar
Inches.....	7½	8½	9½	10½	11½
Per dozen.....	\$1.30	1.60	1.84	2.44	2.94
Wt per doz., lbs...	1½	1¾	2	3	3½

One dozen in a package.

**TEA KETTLE BREASTS—IX.**

NO COVERS.



Code.....	Feakindi	Feaklad
Inches.....	8½	9
Per dozen .....	\$1.90	2.30
Weight per doz., lbs.....	3	3½

One dozen in a package.

**TEA KETTLE BREASTS—IXX.**

NO COVERS.



Code.....	Feaklage	Feaklomp	Feakomen	Feakruid
Inches.....	9½	10½	11½	12½
Per dozen .....	\$3.14	3.74	4.72	6.14
Weight per doz., lbs...	4	5	6	6

One dozen in a package.

7½ and 8½ Breasts take 4½ in. Plain or 4 in. Rimmed Covers.

9½ to 12½ Breasts take 5 in. Plain or 4½ in. Rimmed Covers.

**CANTEEN BREASTS.**

## GALVANIZED.

Code .....	Fealanos	Fealant	Fealasen	Fealatif
Quarts.....	2	8	4	6
Inches.....	7 <sup>11</sup> / <sub>16</sub>	8 <sup>3</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>2</sub>	10 <sup>1</sup> / <sub>2</sub>
Per single gross .....	\$12.00	14.00	18.00	21.00
Wt. per gross, lbs.....	26	35	41	58
Code.....	Fealatz	Fealecken	Fealefaro	
Quarts.....	8	16	20	
Inches.....	11 <sup>1</sup> / <sub>2</sub>	12 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>2</sub>	
Per single gross.....	\$26.00	30.00	36.00	
Weight per gross, lbs.....	65	67	96	

One-half gross in a package.

**CANOPIES OR PAN STUDS.**

## TIN.

Code .....	Fealeid	Fealerem	Fealicea	Fealicum	Fealiges
Inches.....	<sup>3</sup> / <sub>8</sub>	<sup>3</sup> / <sub>4</sub>	<sup>3</sup> / <sub>8</sub>	1	1 <sup>1</sup> / <sub>4</sub>
Per gross.....	\$1.00	1.00	1.00	1.00	1.20
Wt. per gro., lbs.	<sup>3</sup> / <sub>8</sub>	<sup>3</sup> / <sub>8</sub>	<sup>3</sup> / <sub>8</sub>	<sup>1</sup> / <sub>2</sub>	<sup>3</sup> / <sub>8</sub>

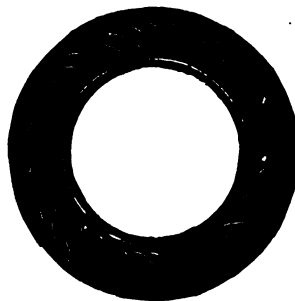
One gross in a package.

**STOVE PIPE COLLARS OR RINGS.**

## ROPE PATTERN. PLAIN.

Code.....	Fealimus	Fealisco	Fealish	Fealoelt	Fealonaba
Inches.....	4	4 <sup>1</sup> / <sub>2</sub>	5	5 <sup>1</sup> / <sub>2</sub>	6
Per dozen .....	\$0.90	.....	1.00	1.00	1.20
Wt. per gross, lbs...	.....	.....	20	21	21

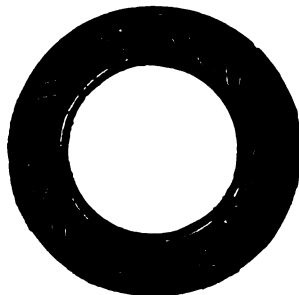
One dozen in a package.

**STOVE PIPE COLLARS OR RINGS.**

## ROPE PATTERN. GOLD LACQUERED.

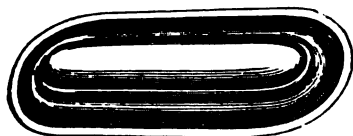
Code.....	Fealoop	Fealuid	Feamabas
Numbers.....	14	14 <sup>1</sup> / <sub>2</sub>	15
Inches .....	4	4 <sup>1</sup> / <sub>2</sub>	5
Per dozen .....	\$1.20	1.20	1.30
Weight per gross, lbs .....	.....	.....	20
Code.....	Feamacolo	Feamalen	Feamamos
Numbers.....	15 <sup>1</sup> / <sub>2</sub>	16	17
Inches .....	5 <sup>1</sup> / <sub>2</sub>	6	7
Per dozen .....	\$1.30	1.40	1.40
Weight per gross, lbs.....	21	21	29

One dozen in a package.



## **OVAL RIMMED BOILER COVERS—IC.**

STAMPED TIN.



Code.....	Feamaran	Feamariti	Feamasum	Feamatif
Numbers .....	6	7	8	9
Pattern .....	New York	Western	Western	New York
Inches.....	9x17 $\frac{3}{4}$	10x20 $\frac{1}{2}$	11 $\frac{3}{4}$ x21 $\frac{1}{2}$	12 $\frac{7}{8}$ x23 $\frac{7}{8}$
Per dozen.....	\$4.60	5.40	6.10	7.40
Wt. per case, lbs...	110	115	140	175

Twelve dozen in a case. One dozen in a package.

## **ROUND BUCKET COVERS—IC.**

STAMPED TIN.



Code.....	Feameld	Feameris	Feamette
Quarts .....	$\frac{1}{2}$	1	1 $\frac{1}{2}$
Inches .....	4 $\frac{1}{2}$	4 $\frac{5}{16}$	5 $\frac{3}{16}$
Per dozen .....	\$0.50	.70	.70
Weight per gross, lbs.....	7	8	9

Code.....	Feanando	Feanarde	Feanava	Feanebel	Feanissi	Feapamos	Feapeil	Feaperen	Feapilum
Quarts .....	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$	3	4	5	6	8	10
Inches .....	5 $\frac{1}{2}$	6 $\frac{5}{16}$	6 $\frac{3}{8}$	6 $\frac{7}{8}$	7	7 $\frac{3}{4}$	8 $\frac{3}{8}$	9 $\frac{1}{8}$	9 $\frac{1}{2}$
Per dozen .....	\$0.80	1.00	1.20	1.20	1.30	1.50	1.80	1.90	2.10
Weight per gross, lbs.....	10	14	15	16	18	20	24	26	28

One-half gross in a package.

## **ROUND BUCKET COVERS—IX.**

STAMPED TIN.



Code.....	Feapioni	Feaplesso
Quarts .....	12	18
Inches .....	10 $\frac{1}{2}$	13
Per dozen .....	\$2.50	4.30
Weight per gross, lbs.....	30	42

One dozen in a package.

## **CAKE BOX COVERS—IC.**

STAMPED TIN.



Code.....	Feapoten	Fearque	Feartata
Inches .....	11 $\frac{1}{2}$	12 $\frac{1}{2}$	18 $\frac{1}{2}$
Per dozen .....	\$3.10	3.60	4.10
Weight per gross, lbs.....	32	36	40

One dozen in a package.

## **CAKE BOX COVERS—IX.**

STAMPED TIN.



Code.....	Fearave	Feareep	Fearence
Inches .....	11 $\frac{1}{2}$	12 $\frac{1}{2}$	18 $\frac{1}{2}$
Per dozen .....	\$3.60	4.20	4.80
Weight per gross, lbs.....	35	39	45

One dozen in a package.

**COFFEE POT COVERS—IC.****PLAIN.**

Code .....	Feareuse	Fearitoso	Feaspin	Featabo	Feataposi
Quarts. ....	1	1½	1¾	2	3
Inches .....	3	3½	3¾	3¾	3¾
Per gross.....	\$2.50	2.80	3.30	4.60	4.90
Wt. per gross, lbs ....	5	6	6¼	6½	7

Code.....	Featardi	Featast	Featedor	Featemus	Featenza
Quarts .....	8½	4	4½	5	5½
Inches .....	4	4½	4¾	5	5½
Per gross.....	\$5.20	6.10	7.30	7.90	8.50
Wt. per gross, lbs ....	7¼	7½	8	9	10

One-half gross in a package.

4½-inch fits 7½ and 8½-inch Tea Kettle Breasts.

5 " " 9½ to 12½ " " " "

**COFFEE POT COVERS—  
IXXXX.****PLAIN.**

Code.....	Feateva
Quarts .....	4
Inches .....	4¾
Per gross.....	\$8.70
Weight per gross, lbs.....	13

One-half gross in a package.

Used for 3-gallon Milk Can Tops.

**COFFEE POT COVERS.****RIMMED.**

Code.....	Featidas	Featirsi
Quarts .....	4	5
Inches (diameter of rim).....	4	4½
Per dozen .....	\$0.80	1.00
Weight per gross, lbs.....	9	12

One dozen in a package.

4-inch fits 7½ and 8½ inch Tea Kettle Breasts.

4½ " " 9½ to 12½ " " " "

**COMMON POT COVERS.****STAMPED TIN.**

Code.....	Featorst	Featote	Featual
Inches.....	7	8	8¼
Per gross.....	\$1.10	1.30	1.50
Weight per gross, lbs.....	21	30	31

Code.....	Feature	Feavalco	Feavang
Inches.....	9½	11¼	11¾
Per gross.....	\$1.70	2.50	.....
Weight per gross, lbs.....	42	48	54

One dozen in a package.



**BELL TEA POT COVERS.**

SPUN TIN.



Code.....	Feavatore	Feazados	Feazais	Feazarate
Pints .....	2	3	4	6
Inches.....	4 $\frac{3}{16}$	4 $\frac{1}{16}$	5	5 $\frac{3}{4}$
Per gross.....	\$.....	.....	.....	.....

**OVEN DOOR BLANKS.**

STAMPED TIN.

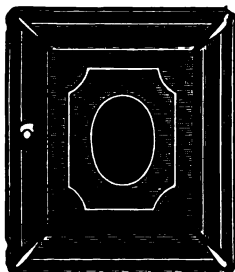


Code.....	Feazarina	Feaziah	Feazite	Febadille
Numbers .....	50	20	70	150
Inches.....	10 $\frac{3}{4}$ x10 $\frac{3}{4}$	12 $\frac{3}{4}$ x14	13x11 $\frac{1}{4}$	12 $\frac{1}{2}$ x18 $\frac{1}{4}$
Per dozen.....	\$2.50	3.60	4.00	6.00
Wt. per doz., lbs	3 $\frac{1}{2}$	6 $\frac{1}{2}$	5	7 $\frac{1}{2}$

One dozen in a package.

**HOT CLOSET DOORS.**

TIN. WIRED EDGES.



Code.....	Febadizos
Inches .....	18x15 $\frac{1}{4}$
Per dozen .....	\$7.20

One-half dozen in a package.

**PLAIN COFFEE BOILER LIPS.**

TO SOLDER.



Code.....	Febando
Number .....	1
Inches.....	3 $\frac{1}{16}$
Per gross.....	\$2.70
Weight per gross, lbs.....	3 $\frac{1}{2}$

One gross in a package.

**MEASURE LIPS.**

CUMMINGS' PATENT.



Code.....	Febegate	Febelabais	Febelaron
Pint.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Diameter outside, inches.....	2 $\frac{3}{8}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$
Diameter inside, inches.....	1 $\frac{3}{4}$	2 $\frac{3}{8}$	2 $\frac{3}{8}$
Per dozen.....	\$ .50	.60	.70
Weight per doz., lbs.....	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$
Code.....	Febellero	Febenor	Febercavi
Quarts.....	1	2	4
Diameter outside, inches.....	4 $\frac{3}{16}$	5 $\frac{1}{16}$	6 $\frac{1}{4}$
Diameter inside, inches.....	3	3 $\frac{3}{4}$	4 $\frac{1}{2}$
Per dozen.....	\$ .80	1.00	1.20
Weight per doz., lbs.....	$\frac{1}{2}$	$\frac{1}{2}$	1

One-half gross in a package.

**BENT CAN SPOUTS.**

Code.....	Febidore	Febinum	Febiolo
Numbers .....	8	7	6
Inches.....	3½	4½	5½
Per gross .....	\$2.40	2.80	3.40
Weight per gross, lbs.....	5¾	3½	2¾

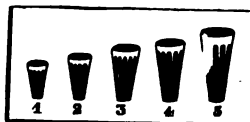
One-half gross in a package.

**FUNNEL TUBES.**

FLUTED TIN.

Code .....	Feboris	Febosten	Febraum	Febrendo	Febrezza
Numbers .....	1	2	3	4	5
Inches.....	1¼ x 1½	2½ x ¾	2½ x 1½	2¾ x 1¼	3¾ x 1½
Per gross.....	\$3.10	3.10	3.10	4.60	4.60
Wt. per gross, lbs....	1½	1½	2¼	3	6

One gross in a package.

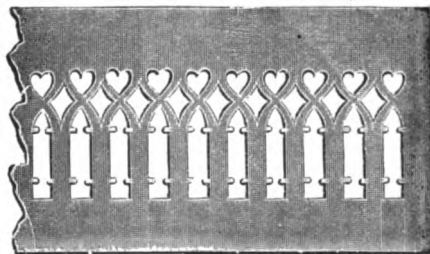
**PUNCHED TIN STRIPS.**

FANCY.

Code.....	Feboricavi	Febriegoba	Febritam
Inches.....	4½ x 14	4½ x 17	4½ x 20
Per dozen .....	\$3.00	4.00	5.00

Other sizes made to order.

Can furnish above made of copper or brass at additional cost of material.





# FLAT HEAD STOVE BOLTS.

## $\frac{3}{16}$ -INCH DIAMETER.

Code.....	Febritude	Febrodet	Febrook	Feceden
Length, inch.....	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Per 100.....	\$0.75	.75	.75	.80
Weight per 100, lbs.....	.8	.9	1.1	1.3

Code.....	Fecedrio	Fecelamos	Fcecephis
Length, inches.....	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Per 100.....	\$0.85	.90	.....
Weight per 100, lbs.....	1.4	1.6	2.1

## $\frac{1}{4}$ -INCH DIAMETER.

Code.....	Fecerohi	Fechaeis	Fechagi	Fechakam	Fechell	Fechepus	Fecherten	Fechoop	Fecreis	Feculmo	Fedagio	Fedalion
Length, in...	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$
Per 100.....	\$0.90	.90	.95	1.00	1.05	1.10	1.15	1.25	1.35	1.45	1.55	1.65
Wt per 100, lbs..	1.9	2.2	2.5	2.9	3.2	3.6	4.	4.7	5.3	6	6.75	7.75

One hundred in a package.

# ROUND HEAD STOVE BOLTS.

## $\frac{5}{32}$ -INCH DIAMETER.

Code.....	Fedarade	Fedarfe	Fedaron
Length, inch.....	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$
Per 100.....	\$0.85	.85	.85

## $\frac{3}{16}$ -INCH DIAMETER.

Code.....	Fedarsis	Fedartello	Fedauds	Fedaxas
Length, inch.....	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Per 100.....	\$0.85	.85	.85	.90
Weight per 100, lbs.....	1.	1.1	1.1	1.4

Code.....	Fedegam	Fedentem	Fedentis	Fedenza
Length, inches.....	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per 100.....	\$0.95	1.00	1.05	.....
Weight per 100, lbs.....	1.5	1.8	2.	2.2

## $\frac{1}{4}$ -INCH DIAMETER.

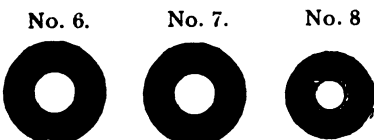
Code.....	Federal	Federbast	Federboom
Length, inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Per 100.....	\$1.00	1.00	1.05
Weight per 100, lbs.....	2.3	2.6	3.

Code.....	Federbosch	Federhars	Federhout
Length, inches.....	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Per 100.....	\$1.10	1.15	1.25
Weight per 100, lbs.....	3.4	3.6	4.2

One hundred in a package.

# TINNED BURRS.

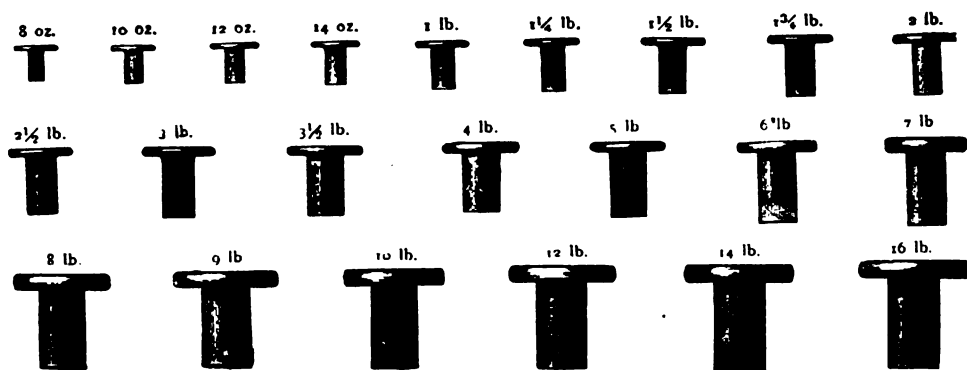
MADE FROM SWEDES IRON.



Cuts show full size.

Code.....	Federian	Federito	Federolie
Numbers.....	6	7	8
Number to a pound.....	330	368	398
Per pound.....	\$0.40	.40	.40

One pound in a package. Number denotes size of wire.

**TINNERS' RIVETS.**

Cuts show full size.

**Black Iron, in Packages.**

Code.....	Federont	Fediamo	Fedimento							
Size, ounces.....	8	10	12							
Per 1000.....	\$0.20	.22	.24							
Case lots, 1000.....	.....	.....	.....							
Code.....	Fedonem	Fedoniate	Fedopolis	Fedorum	Fedotano	Fedraaf				
Size, pounds.....	1	1¼	1½	1¾	2	2½				
Per 1000.....	\$0.27	.29	.33	.37	.42	.55				
Case lots, 1000.....	.....	.....	.....	.....	96	70				
Code.....	Fedraden	Fedrasca	Fedremo	Fedrezes	Fedriamo	Fedricaret	Fedriwa	Fedronde	Fedroost	Fedrotale
Size, pounds.....	8	8½	4	5	6	7	8	10	12	14
Per 1000.....	\$0.60	.70	.76	.90	1.08	1.26	1.44	1.75	1.96	2.31
Case lots, 1000.....	60	.....	48	37	30	25	24	20	16	.....

One thousand in a package. Approximate weight of cases two hundred pounds.

**Black Iron, in Bulk.**

Code.....	Fedruck	Fedrufen	Fedrufo	Fedunst	Feduntur	Fedutsen	Feedait	Feedaker
Size, pounds.....	8	4	5	6	7	8	10	12
Per pound.....	\$0.19	.18	.18	.17	.17	.17	.16	.15 1/2

One hundred pounds in a keg.

**Tinned Norway Iron, in Packages.**

Code.....	Feedalas	Feedames	Feedasse	Feedatha	Feedava					
Size, ounces.....	4	6	8	10	12					
Per 1000.....	\$0.25	.25	.25	.28	.31					
Code.....	Feedeas	Feedelfo	Feedendi	Feedero	Feedevin					
Size, pounds.....	1	1¼	1½	1¾	2					
Per 1000.....	\$0.37	.42	.48	.55	.62					
Code.....	Feediato	Feediger	Feedinas	Feedoen	Feedom	Feedoner	Feedonot	Feedotier	Feedrift	Feedrigo
Size, pounds.....	2½	3	3½	4	5	6	7	8	10	12
Per 1000.....	\$0.80	.90	1.05	1.16	1.40	1.68	1.97	2.24	2.75	3.18

**Tinned Soft Steel, in Packages.**

Code.....									Feedrina	Feedroth	Feedruf
Size, ounces .....									8	10	12
Per 1000.....									\$0.22	.25	.27
Code.....	Feedrpt	Feeduto	Feegement	Feegewa	Feegewalt	Feeglipt	Feegluth	Feegold	Feegory	Feegostar	Feegovant
Size, pounds. <b>1</b>	<b>1¼</b>	<b>1½</b>	<b>1¾</b>	<b>2</b>	<b>2½</b>	<b>3</b>	<b>3½</b>		<b>4</b>	<b>5</b>	<b>6</b>
Per 1000.....	\$0.31	.34	.39	.44	.50	.65	.72	.84	.92	1.10	1.32

Case lots same as black.

# TINNERS' RIVETS.

Copper, in Packages.

Code.....	Feegreer
Size, ounces .....	12
Per 1000.....	\$0.50
Code.....	Feekern
Size, pounds.....	1
Per 1000.....	\$0.80
	Feekidas
	1 1/2
	Feekleur
	2
	.75
	.80

One thousand in a package. Case lots same as black.

## Approximate Dimensions of Tinnors' Rivets:

Size.	Length.	Diameter Wire Gauge.	Size.	Length.	Diameter Wire Gauge.	Size.	Length.	Diameter Wire Gauge.
8 ounce.....	5/32	No. 13 1/4	2 pound .....	1 1/4	No. 9 1/4	7 pound .....	1 3/4	No. 5 1/4
10 " .....	1 1/16	" 13	2 1/2 " .....	1 3/4	" 9	8 " .....	1 3/4	" 4 3/4
12 " .....	3/16	" 12 1/4	3 " .....	1 3/4	" 8 1/4	9 " .....	1 5/16	" 4 1/4
14 " .....	3/16	" 12	3 1/2 " .....	1 5/8	" 8	10 " .....	1 5/8	" 4
1 pound .....	1 3/16	" 11 3/4	4 " .....	1 1/2	" 7 1/4	12 " .....	1 1/2	" 3
1 1/4 " .....	7/32	" 11	5 " .....	3/8	" 6 3/4	14 " .....	3/8	" 2
1 1/2 " .....	1 5/16	" 10 1/4	6 " .....	1 5/8	" 6	16 " .....	1 1/2	" 1
1 3/4 " .....	1 1/4	" 10						

## OVAL HEAD IRON RIVETS.

BLACK.



Code.....	Feeknot	Feelavus	Feelebit	Feelectos	Feelegant
Size, lbs.....	2	2 1/2	3	4	4
Length, inch.....	1/2	1/2	1/2	1/2	3/4
Per 1000.....	\$0.45	.52	.58	.69	.69

One thousand in a package.

## OVAL HEAD IRON RIVETS.

TINNED.



Code .....	Feelendi
Size, lbs.....	4
Length, inch.....	3/4
Per 1000.....	\$2.00

One thousand in a package.

## OVAL HEAD IRON RIVETS.

BLACK.



Code .....	Feelerus	Feeliano	Feelitif	Feelogo	Feelordo
Wire gauge .....	6	6	6	6	8
Length, inches .....	1	1 1/4	1 1/2	1 3/4	1 1/4
Per pound.....	\$0.14	.14	.14	.14	.16
Rivets in a pound..	82	69	59	55	109

Five pounds in a package.

**OVAL HEAD RIVETS.**

BRASS.

For Spice Can Tops.

Code.....	Feemaker
Wire gauge.....	14
Length, inch.....	$\frac{1}{8}$
Per pound.....	\$1.00

**STOVE PIPE ELBOW RIVETS.**

BLACK. FLAT HEAD.

Code.....	Feemalis
Wire gauge.....	14
Length, inch.....	$1\frac{1}{64}$
Per pound.....	\$0.50

**BRAZIERS' COPPER RIVETS.**

No. 1.



No. 2.



No. 3.



Cuts show full size.

Code.....	Feemarch	Feemians	Feemical	Feemicos	Feemists	Feemiter	Feemogen	Feemos	Feenacis	Feenare
Numbers.....	0	1	2	3	4	5	6	7	8	9
Number to pound.....	148	100	70	44	34	24	18	12	9	6
Diameter, inch.....	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{4}$
Length, inch.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{4}$

Per pound, \$0.66.

**FEEDER CAPS AND COLLARS.**

BRASS.

Code.....	Feeneraba
Number.....	4
Bottom diameter of collar, inches.....	$1\frac{1}{16}$
Per gross.....	\$7.00
Weight per gross, lbs.....	2 $\frac{1}{4}$

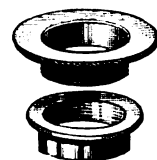
One gross in a box.

**OILER SCREWS AND HOOPS.**

BRASS.

Code.....	Feenest	Feenique	Feenitine
Numbers.....	1	2	3
Diameter, inch.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Per gross.....	\$9.00	10.00	12.00
Weight per gross, lbs.....	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{7}{8}$

Five hundred in a box.

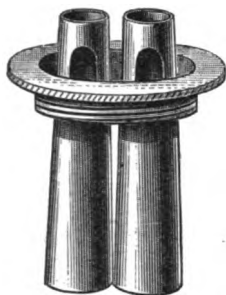
**SOLID LAMP HOOPS.**

BRASS.

Code.....	Feenium	Feetalha
Numbers.....	1	3
Thread diameter, inch.....	$\frac{7}{8}$	$\frac{3}{4}$
Per gross.....	\$4.00	4.00

Five hundred in a box.



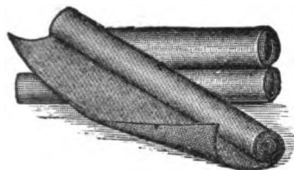
**LAMP SCREWS.**

FOR BURNING LARD OIL.

Code.....	Feetamos	Feetaron	Feetargas
Numbers.....	8	8	1
Thread diameter, inch.....	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{7}{8}$
Number of tubes.....	1	2	2
Per gross.....	\$10.00	12.00	12.00

Two hundred and fifty in a box.

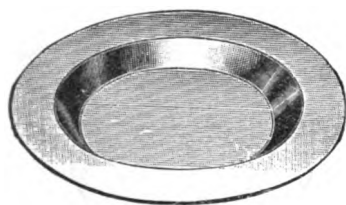
The No. 1 is kerosene size.

**BRASS WIRE CLOTH.**

12 INCHES WIDE.

Code.....	Feetator	Feetendo	Feetesco
Mesh.....	40	50	60
Per square foot.....	\$0.28	.28	.36
Weight per roll, lbs.....	$\frac{3}{4}$	1	1

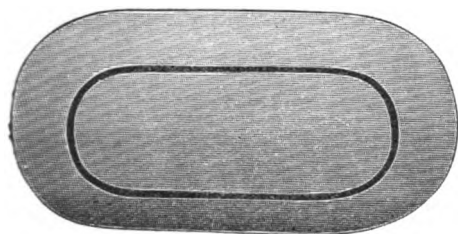
Five square feet in a roll.

**ROUND COPPER BOTTOMS.**

14 OZ.

PITS AND FLATS.

Code, pits.....	Fegabel	Fegaccio	Fegadir	Fegados	Fegaldule
Code, flats.....	Fegalia	Fegambes	Feganthis	Feganzo	Fegappa
Numbers.....	6	7	8	9	10
Diam., inches..	8½	9½	10½	11½	12½
Per pound.....	\$.....	.....	.....	.....	.....
Wt. 1 doz., lbs.	4	5	6½	8	10½

**OVAL COPPER BOTTOMS.**

12 OZ.

FLAT. REGULAR.

Code.....	Fegapso	Fegaranza
Numbers.....	7	8
Inches .....	20½x10	21½x11½
Per pound.....	\$.....	.....
Weight 1 doz., lbs.....	11	13

**OVAL COPPER BOTTOMS—14 OZ.**

FLAT.

REGULAR.

LARGE.

Code .....	Fegarden	Fegarian	Fegarines	Fegaroso	Fegaroth	Fegarrab
Numbers.....	6	7	8	9	66	88
Inches.....	17¾x9	20½x10	21½x11½	23½x12¾	18¾x10¾	23x12¼
Per pound.....	\$.....	.....	.....	.....	.....	.....
Weight 1 doz., lbs.....	12	13	15½	18	13	17

**OVAL COPPER BOTTOMS—14 OZ.**

PIT.

REGULAR.

LARGE.

Code .....	Fegarse	Fegartuch	Fegasar	Fegassia	Fegasonic	Fegastron
Numbers.....	6	7	8	9	66	88
Inches.....	17¾x9	20½x10	21½x11½	23½x12¾	18¾x10¾	23x12¼
Per pound .....	\$.....	.....	.....	.....	.....	.....
Weight 1 doz., lbs.....	13	16	18	21	15½	20

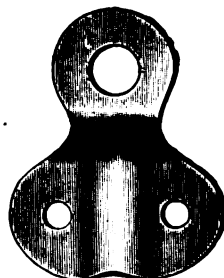
## RETINNED L. & G. KETTLE EARS.

IMPROVED PATTERN.

Code.....	Fegatrane	Fegenias	Fegenkopf	Fegenlamp
Numbers .....	1	2	3	4
Size, inches.....	$\frac{3}{8} \times 1\frac{1}{4}$	$\frac{3}{8} \times 1\frac{3}{8}$	$1\frac{1}{8} \times 1\frac{3}{8}$	$1\frac{1}{4} \times 2$
Per gross pairs.....	\$3.50	3.80	4.10	4.70
Wt. per gross pairs, lbs.	1 $\frac{1}{8}$	1 $\frac{3}{8}$	3 $\frac{1}{4}$	4 $\frac{1}{2}$

Code.....	Fegenrock	Fegeracion	Fegerado
Numbers .....	5	6	7
Size, inches.....	$1\frac{3}{8} \times 2\frac{1}{8}$	$1\frac{7}{8} \times 2\frac{3}{8}$	$2 \times 2\frac{1}{2}$
Per gross pairs.....	\$5.30	5.60	6.60
Weight per gross pairs, lbs...	5	6 $\frac{1}{4}$	8 $\frac{1}{2}$

One-half gross pairs in a box.

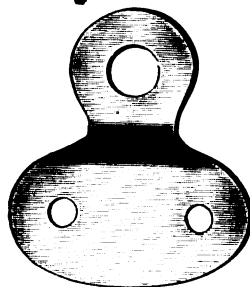


## RETINNED KETTLE EARS.

EXTRA HEAVY.

Code .....	Fegercum
Number.....	600
Size, inches.....	$2 \times 2\frac{1}{4}$
Per gross pairs.....	\$6.00
Weight per gross pairs, lbs.....	8

One-half gross pairs in a package.



## RETINNED WROUGHT IRON KETTLE EARS.

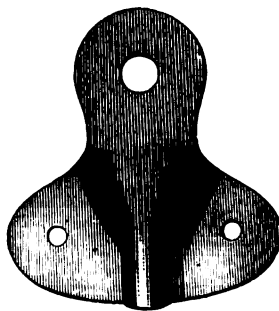
HEAVY.

Code .....	Fegerino	Fegescunt	Fegestone	Fegicus
Numbers .....	1	2	3	4
Size, inches.....	$1\frac{1}{8} \times 1\frac{3}{8}$	$1\frac{1}{4} \times 1\frac{7}{8}$	$1\frac{1}{2} \times 1\frac{3}{4}$	$1\frac{5}{8} \times 1\frac{7}{8}$
Per gross pairs.....	\$1.00	1.15	1.60	2.00
Wt. per gross pairs, lbs.	1 $\frac{3}{8}$	2	3 $\frac{1}{2}$	5

Code .....	Fegiditz	Fegidorum	Fegilem	Feginole
Numbers .....	5	6	7	8
Size, inches.....	$1\frac{7}{8} \times 2$	$2 \times 2\frac{1}{4}$	$2\frac{1}{8} \times 2\frac{3}{8}$	$2\frac{1}{4} \times 2\frac{1}{2}$
Per gross pairs .....	\$2.50	3.00	4.00	5.00
Wt. per gross pairs, lbs.	5 $\frac{1}{2}$	7 $\frac{1}{4}$	9	11

One-half gross pairs in a box.

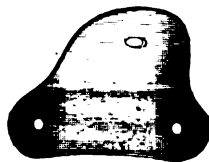


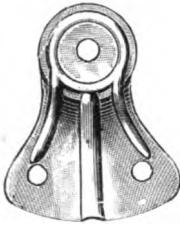
## RETINNED L. & G. TEA KETTLE EARS.

NEW PATTERN.

Code.....	Fegitudo	Fegivolis	Feglador	Feglasia
Numbers .....	44	55	66	77
Size, inches.....	$1\frac{1}{4} \times 1\frac{3}{8}$	$1\frac{3}{8} \times 1\frac{7}{8}$	$1\frac{7}{8} \times 2$	$2\frac{1}{8} \times 2\frac{1}{8}$
Per gross pairs.....	\$3.80	4.70	5.60	7.60
Wt. per gross pairs, lbs.	5 $\frac{1}{4}$	7	8	9 $\frac{1}{2}$

One-half gross pairs in a box.

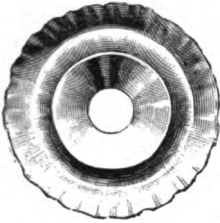




### TIN EARS.

Code.....	Feglegeri	Feglenze	Fegliens	Feglitum
Numbers.....	01	02	03	04
Size, inches.....	1½x1¼	1¼x1¾	1¾x1¾	1½x1¼
Per gross pairs.....	\$1.15	1.20	1.65	1.80
Wt. per gross pairs, lbs. ....	.....	.....	.....	.....

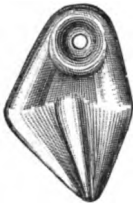
One gross pairs in a box.



### TIN LARD PAIL EARS.

Code.....	Small Fegloom	Large Feglotes
Size, inches.....	¾	1½
Per gross pairs.....	\$1.00	1.00
Weight per gross pairs, lbs.....	.....	.....

One-half gross pairs in a package.



### TIN OIL CAN EARS.

Code.....	Feglunt
Size, inches .....	¾x1¾
Per gross pair .....	\$1.00
Weight per gross, pair.....	.....

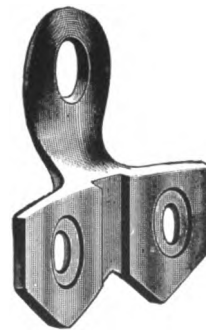
One-half gross pairs in a package.

## BERGER'S "STAR" KETTLE EARS.

MALLEABLE TINNED. WITH COUNTERSUNK RIVET HOLES.



Cut shows full size No. 3.



Cut shows countersunk holes.

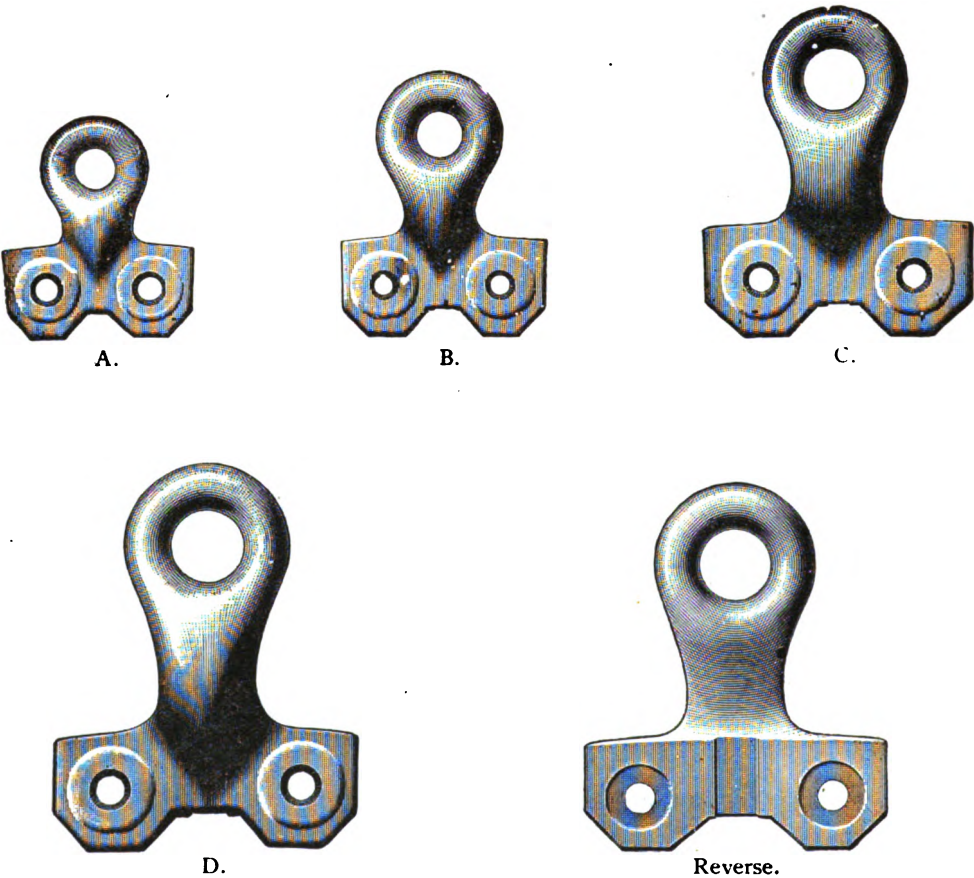
Code.....	Fegmatism	Fegmator	Fegmeleto	Fegobern	Fegobia	Fegohani	Fegoide
Numbers .....	1	2	3	4	5	6	7
Size, inches.....	1x1½	1½x1½	1½x1½	1½x1½	1¾x1¾	1¾x2½	2½x2½
Between rivet holes, inches .....	¾	¾	¾	¾	¾	1	1½
Per single gross.....	\$1.06	1.50	2.00	2.76	4.00	5.00	6.00
Weight per single gross, lbs.....	2¼	3	4¼	5¼	8½	10	15¼

One-half gross pairs in a box.

RETINNED MALLEABLE KETTLE EARS.

HEAVY.

Cuts show full size.



Code .....	
Numbers .....	
Size, inches .....	
Between rivet holes, inch .....	
Ears to the pound .....	
Per pound .....	

Fegonian	Fehagin	Fehamerd	Fehampo
A	B	C	D
1 7/16 x 1 3/8	1 1/2 x 2	2 x 2 3/8	2 1/4 x 2 3/4
3/8	3/4	1	1 1/8
17	14	8	5
\$0.30	.30	.30	.30

Fifty pounds in a case.

BLACK MALLEABLE KETTLE EARS.

JAPANNED. HEAVY.

Code .....	Fehatta	Fehachio
Numbers .....	JB	JC
Size, inches .....	1 1/2 x 2	2 x 2 3/8
Between rivet holes, inches .....	3/4	1
Ears to the pound .....	14	8
Per pound .....	\$.....	.....

Fifty pounds in a case.





**EXTINGUISHERS.**

BRASS. FOR SPOUTS.

Code.....	Fehfeften
Style .....	Single with Chain
Per gross.....	\$1.60
Weight per gross, lbs.....	½

**H. M. & S. PUMP FLANCES.**

GALVANIZED. NARROW FLANGE.



Code.....	Fehexsen	Fehelmen	Fehendig	Fehoarse
Inch.....	3	4	5	6
Outside diam., inches	5¾	6¾	7¾	8¾
Inside diam., inches..	3½	4½	5½	6½
Number of bolt holes	4	4	5	6
Per pound.....	\$0.25	.25	.25	.25
Weight per pair, lbs..	4½	5½	7½	9½

**H. M. & S. PUMP FLANCES.**

GALVANIZED. WIDE FLANGE.



Code.....	Fehrapum	Fehrammo
Inch.....	3W	4W
Outside diameter, inches.....	6¾	7¾
Inside diameter, inches.....	3¾	4¾
Number of bolt holes.....	4	4
Per pound.....	\$0.25	.25
Weight per pair, lbs.....	6½	8½

**MALLEABLE URN FEET.**

TINNED.



Code.....	Fehrebbe	Fehrim	Fehmut
Size .....	Small	Medium	Large
Inches .....	1¾ x 1¼	2 x 1¼	2½ x 1½
Number to a pound .....	10	8	6
Per pound.....	\$0.50	.50	.50

**H. M. & S. BRASS URN FEET.**

NICKEL-PLATED.



Code.....	Feibaum
Number.....	5
Height, inches.....	3¼
Each.....	\$.....
Weight each, lb.....	¾

**H. M. & S. BRASS URN FEET.**

POLISHED.

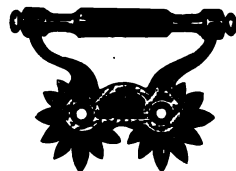


Code .....	Feiberg
Number.....	6
Height, inches .....	3¼
Each.....	\$.....
Weight each, lb.....	½

## H. M. & S. BRASS URN HANDLES.

POLISHED.

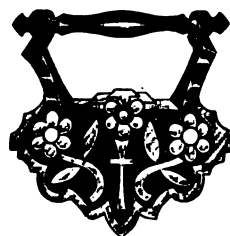
Code .....	Feiblad
Number .....	5
Between rivet holes, inches .....	1 $\frac{1}{4}$
Each .....	\$0.80
Weight each, lb. ....	$\frac{1}{4}$



## H. M. & S. BRASS URN HANDLES.

POLISHED.

Code .....	Feibras
Number .....	6
Between rivet holes, inches .....	1 $\frac{3}{4}$
Each .....	\$0.80
Weight each, lb. ....	$\frac{1}{4}$



## TOP CHAFING DISH HANDLES.

MALLEABLE. TINNED.

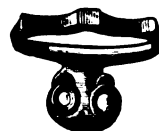
Code .....	Feichero	Feicholie	Feidado
Size .....	Small	Medium	Large
Inches .....	2 $\frac{1}{4}$ x 1 $\frac{1}{4}$	2 $\frac{1}{2}$ x 1 $\frac{1}{2}$	3 $\frac{1}{4}$ x 1 $\frac{3}{4}$
Number to a pound .....	12	9	6
Per pound .....	\$0.50	.50	.50



## SIDE CHAFING DISH HANDLES.

MALLEABLE. TINNED.

Code .....	Feidolo	Feigabe	Feigabile
Size .....	Small	Medium	Large
Inches .....	2 $\frac{1}{4}$ x 1 $\frac{1}{2}$	2 $\frac{3}{4}$ x 1 $\frac{3}{4}$	3 $\frac{1}{4}$ x 1 $\frac{3}{4}$
Number to a pound .....	10	8	5
Per pound .....	\$0.50	.50	.50

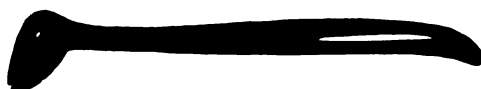


## MALLEABLE SAUCE PAN HANDLES.

RETINNED.

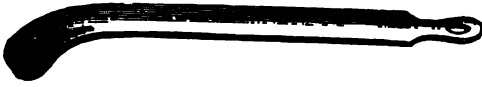
Code .....	Feigebet	Feigeige	Feiglalte	Feigtutst	Feikazos	Feikop
Numbers .....	2	3	4	5	6	7
Inches .....	6	6 $\frac{1}{2}$	7 $\frac{1}{4}$	8	9	10
Number to a lb. ....	8	7	7	6	4	4
Per pound .....						\$0.32

Fifty pounds in a case.



**L. & C. SAUCE PAN HANDLES.**

RETINNED.

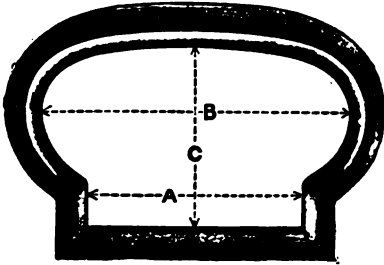


Code .....	Feilago	Feilando	Feilaras	Feimaak	Feimento	Feimourite
Numbers.....	1	2	8	4	5	6
Inches.....	5¼	6¾	8	8¾	10½	11¾
Per gross	\$8.50	9.40	10.40	11.40	13.20	15.10
Per gross,lbs.	15¼	16¼	17	27½	33¼	35

One-half gross in a package.

**MILK CAN OR BOILER HANDLES.**

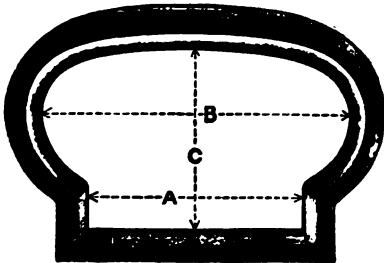
TINNED.



Code.....	Feimusik	Feinabas
Numbers.....	4	6
Distance A, inches.....	1½ <sup>5</sup> / <sub>6</sub>	2
" B, "	2¾	3
" C, "	1¾	1¾
Number to a pound.....	6	4
Per pound .....	\$0.24	.24

**MILK CAN OR BOILER HANDLES.**

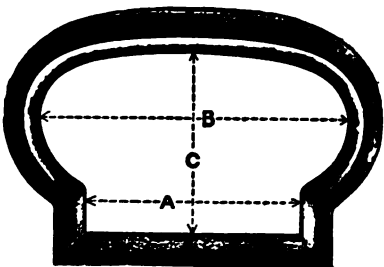
COPPERED.



Code.....	Feinago	Feiname
Numbers.....	4C	6C
Distance A, inches.....	1½ <sup>5</sup> / <sub>6</sub>	2
" B, "	2¾	3
" C, "	1¾	1¾
Number to a pound.....	6	4
Per pound.....	\$0.16	.16

**MILK CAN OR BOILER HANDLES.**

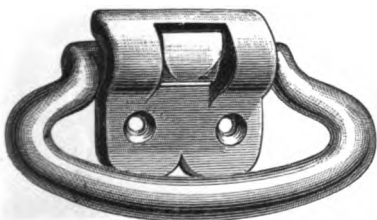
JAPPANED BLACK.



Code .....	Feinebas	Feinisco
Numbers .....	4J	6J
Distance A, inches.....	1½ <sup>5</sup> / <sub>6</sub>	2
" B, "	2¾	3
" C, "	1¾	1¾
Number to a pound .....	6	4
Per pound .....	\$0.16	.16

**MILK CAN HANDLES.**

TINNED. WITH STOPS.



Code .....	Feisack
Number .....	200
Outside measurement, inches .....	4x2½
Number to a pound.....	2
Per pound.....	\$0.30

## MALLEABLE MILK CAN HANDLE CLIPS.

TINNED.

Code.....	Feisalzen
Inches .....	1 $\frac{1}{16}$
Number to a pound.....	8
Per pound.....	\$0.27

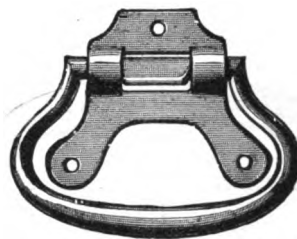


## MALLEABLE DROP HANDLES AND CLIPS.

TINNED.

Code .....	Feistab	Feistein
Numbers.....	<b>B</b>	<b>C</b>
Handle, outside, inches .....	3 $\frac{1}{2}$ x 2	4 x 2 $\frac{1}{4}$
Clip, outside, inches .....	2 $\frac{1}{2}$ x 2	2 $\frac{1}{2}$ x 2
Number to a pound.....	5	5
Per pound .....	\$0.36	.36

Fifty pounds in a case.



## EARS AND HANDLES WITH CLIPS.

TINNED. MALLEABLE.

Code.....	Feiston
Number .....	100
Handle, outside, inches.....	3 $\frac{3}{4}$ x 2
Number to a pound.....	4
Per pound.....	\$0.15



## "UNION" HANDLES AND EARS.

TINNED. MALLEABLE.

Code .....	Feitable
Number .....	40
Outside, inches .....	5 $\frac{1}{4}$ x 4 $\frac{1}{4}$
Per dozen pairs .....	\$16.00
Weight 1 doz. pairs, lbs.....	25



## DISH PAN HANDLES.

TINNED. TWO RIVET HOLES.

Code.....	Feitais	Feitecer	Feitergo
Numbers .....	<b>1</b>	<b>2</b>	<b>3</b>
Between rivet holes, inches.....	2 $\frac{3}{8}$	2 $\frac{3}{8}$	3 $\frac{1}{8}$
Number to a pound.....	20	17	13
Per pound.....	\$0.32	.32	.32

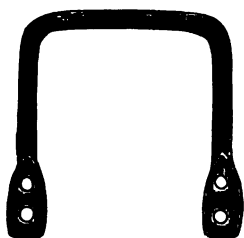


## MALLEABLE SIDE HANDLES.

TINNED. HEAVY. FOUR RIVET HOLES.

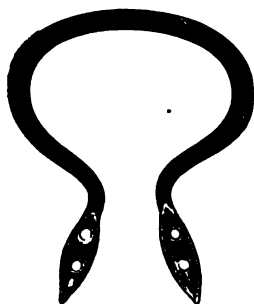
Code.....	Feizaba
Number.....	4
Diameter handle, inch.....	3 $\frac{1}{8}$
Between rivet holes, inches.....	4
Number to a pound.....	4
Per pound .....	\$0.36



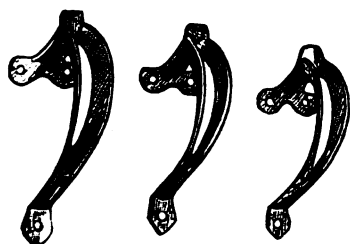
**MALLEABLE SIDE HANDLES.**

TINNED. HEAVY. FOUR RIVET HOLES.

Code.....	Feizage
Number .....	7
Diameter handle, inch.....	$\frac{1}{2}$
Between rivet holes, inches.....	$4\frac{1}{2}$
Weight each, lbs.....	$\frac{3}{4}$
Per pound.....	\$0.36

**CALIFORNIA SIDE HANDLES.**TINNED. FORGED. EXTRA HEAVY. WROUGHT.  
FOUR RIVET HOLES.

Code.....	Feizar
Number.....	10
Inches.....	$4\frac{7}{8} \times 5\frac{1}{4}$
Weight each, lbs.....	$\frac{3}{4}$
Per pound.....	\$0.50

**MALLEABLE COFFEE POT HANDLES.**

TINNED.

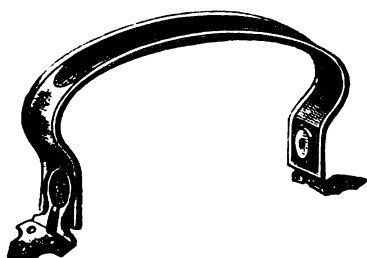
Code.....	Fekaise	Fekamil	Fekanel
Numbers.....	1	2	3
Inches.....	3	$3\frac{1}{2}$	4
Number to a pound.....	7	7	5
Per pound.....	\$0.50	.50	.50

**IRON TEA POT HANDLES.**

JAPANNED BLACK. TIN TIPS.

Code.....	Fekanon	Fekapturi	Fekerglas
Numbers .....	1	2	3
Between tips, inches.....	3	$3\frac{1}{2}$	4
Per dozen.....	\$1.25	1.50	1.75
Weight per doz., lbs.....	$2\frac{1}{2}$	$3\frac{1}{4}$	$4\frac{3}{4}$

One dozen in a box.

**TIN TEA KETTLE HANDLES AND EARS.**

Code.....	Fekrassi
Number .....	7x8
Per dozen .....	\$1.10
Weight per case, lbs.....	20
Shipping measure. per case, cubic feet.....	$1\frac{1}{4}$

Six dozen in a case.

**CHICAGO TEA KETTLE  
HANDLES AND EARS.**

TIN.

Code.....	Fekrit	Fekroop
Style .....	Plain	Retinned
Per dozen.....	\$2.50	3.50
Weight per doz., lbs.....	4½	4½



**H. M. & S. DRIP PAN  
HANDLES.**

WROUGHT. WITH SHEET IRON CLIPS. PLAIN.

Code.....	Fekruid
Inches.....	4½x1½
Diameter handle, inch.....	¼
Each .....	\$.....
Weight per doz., lbs.....	2½

Can furnish any size to order.

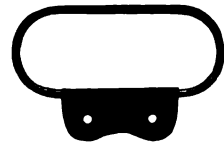


**H. M. & S. SQUARE PAN  
HANDLES.**

COPPERED WIRE. WITH TIN CLIPS.

Code.....	Felachen
Inches.....	8½x1½
Gauge of wire.....	9
Each.....	\$.....
Weight per doz., lbs.....	1½

Can furnish any size to order.



**BAIL WOODS.**

PLAIN.

Code.....	Felacht
Number .....	1½
Diameter, inch.....	¾
Length, inches.....	3½
Per 1000.....	\$5.00
Weight per 1000, lbs.....	37½
Shipping measurement per 1000, cubic feet .....	1½

Five hundred in a case.

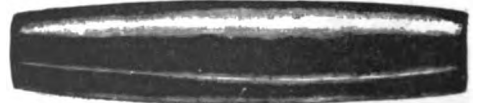


**BAIL WOODS.**

ENAMELED.

Code.....	Feladono
Number .....	2
Diameter, inch.....	¾
Length, inches.....	3½
Per gross.....	\$1.20
Weight per gross, lbs.....	6

One gross in a box.



**BAIL WOODS.**

## ENAMELED.



Code.....	Felamoso	Felantic
Numbers.....	3½	5½
Diameter, inch.....	1 3/16	1 3/16
Length, inches.....	3	3 3/8
Per gross.....	\$1.20	1.40
Weight per gross, lbs.....	4½	5¾

One gross in a box.

**BAIL WOODS.**

## EXTRA GRADE.



Code.....	Felaposi	Felapsun
Numbers.....	6	6 J
Style.....	Plain	Japanned
Diameter, inches.....	1½	1½
Length, inches.....	4	4
Per gross.....	\$1.50	1.60
Weight per gross, lbs.....	11¼	11¼

**SPRINKLER HEADS.**

## ZINC.



Code.....	Felareh	Felarias	Felaruazo
Numbers.....	00	0	1
Diameter, inches.....	1¾	2¾	3
Per dozen.....	\$1.50	2.00	2.50
Weight per doz., lbs.....	½	¾	1¼
Code.....	Felasaba	Felasteis	Felaxoid
Numbers.....	2	8	4
Diameter, inches.....	3¾	4¾	4¾
Per dozen.....	\$3.00	3.50	4.50
Weight per doz., lbs.....	1¾	2¾	3¾

One dozen in a box.

**SPRINKLER HEADS.**

## TIN.



Code.....	Felazul	Feldarlo	Feldathus
Diameter, inches.....	2¾	8	4
Per dozen.....	\$0.38	.45	.65

One dozen in a package.

**TEA POT HINGES.**

TIN. DOUBLE.

Code .....	Felderai
Inch.....	$\frac{3}{4} \times 7\frac{1}{2}$
Per gross.....	\$1.50
Weight per gross, lb.....	1

One gross in a box.

**SELF-FASTENING KNOBS.**

BLACK ENAMELED.

Code .....	Feldiac	Feldiamos	Feldillo
Numbers.....	<b>11</b>	<b>13</b>	<b>15</b>
Diameter, inch.....	$\frac{3}{4}$	$1\frac{1}{16}$	$\frac{7}{8}$
Per gross.....	\$2.00	2.00	2.00
Weight per gross, lbs.....	1	$1\frac{1}{4}$	$1\frac{1}{4}$

One-quarter gross in a box.

**ACME KNOBS.**

BLACK ENAMELED. SELF-FASTENING.

Code .....	Feldischen
Diameter, inch .....	1
Per gross .....	\$2.00
Weight per gross, lbs.....	$2\frac{1}{4}$

**IDEAL KNOBS.**

BLACK ENAMELED. SELF-FASTENING.

Thirty-six on a card. Eighteen small,  $\frac{1}{16}$  inch; eighteen large, 1 inch.

Code .....	Feldocus
Per card.....	\$0.70
Weight per card, lbs.....	1

One card in a box.



**TIN TEA POT KNOBS.**

BRIGHT.

Code .....	Feldrede	Feldrust	Felegara	Felelarios
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Size.....	Small	Medium	Large	Ex. Large
Per gross .....	\$0.75	1.00	1.25	1.50
Weight per gross, lbs..	$\frac{3}{4}$	$\frac{3}{4}$	1	$1\frac{1}{2}$

One gross in a box.

**BRITANNIA TEA POT KNOBS.**

BLACK ENAMELED.

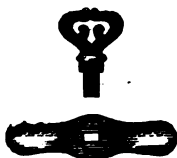
Code.....	Felenesch	Felenflor
Numbers.....	<b>2</b>	<b>3</b>
Diameter, inch.....	$\frac{1}{2}$	$\frac{3}{4}$
Per gross.....	\$1.25	1.25
Weight per gross, lbs.....	$1\frac{1}{4}$	$1\frac{3}{4}$

**BIRD TEA POT KNOBS.**

Code .....	Felense
Number .....	<b>2</b> Medium
Per gross.....	\$4.00
Weight per gross, lbs.....	$6\frac{1}{4}$

**TURNBUCKLES OR KNOBS  
AND CATCHES.**

TINNED. FOR OVEN DOORS.

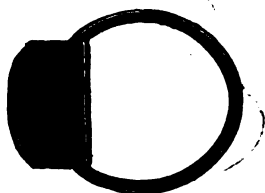


Code.....	Felersais
Size of shank, inch.....	$\frac{1}{4}$
Number to a pound.....	13
Per pound.....	\$0.44

**CAN NOZZLES.**

TIN.

Code.....	Felerculi	Felerent
Size, inches.....	<b>1</b>	$1\frac{1}{4}$
Per gross.....	\$1.00	1.00

**WIRE RINGS WITH CLIPS.**

Code .....	Felerthum	Felerung	Feliesbee	Feletada	Feletero	Feletonas
Inches.....	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	<b>1</b>	$1\frac{1}{4}$	$1\frac{1}{2}$
Per gross. \$	0.30	.34	.40	.40	.44	.55
Per gross, lbs.	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$

One gross in a package.

**BRAZIERS' RODS.**

TWELVE-FOOT LENGTHS.

Code.....	Felctzen	Felhabor	Felhaken	Felhalig
Size, inch.....	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{5}{16}$	$\frac{3}{8}$
Feet in 112 pounds.....	1115	688	440	305
Per pound.....	\$0.13	.10½	.10	.10

One hundred pounds in a bundle.

**COAL OIL PUMPS.**

DOUBLE ACTING. STEADY STREAM. FOR OIL TANKS.

Code.....	Felhalme
Length of tube, inches.....	28
Top of pump to end of tube, inches.....	34
Diameter of tube, inches.....	1½
Diameter of top, inches.....	5½
Each.....	\$.....
Weight each, lbs.....	5

**CAN SCREWS.**

ZINC. DEEP.

Code.....	Felhamie	Felharke	Felharz
Size, inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Per gross.....	\$1.50	1.75	2.25
Weight per gross, lbs.....	1½	2¾	3¾

Code.....	Felhasch	Felhauch	Felhauen
Size, inches.....	1¼	1½	2
Per gross.....	\$3.00	4.50	7.00
Weight per gross, lbs.....	6	7½	12½

One-half gross in a box.

**CAN SCREWS.**

BRASS. DEEP.

Code.....	Felheff	Felheind	Felherr	Felhex
Size, inches.....	$\frac{1}{2}$	$\frac{3}{4}$	1	1¼
Per gross.....	\$4.50	5.50	7.50	10.00
Weight per gross, lbs...	1½	2¾	3¾	6

**CAN SCREWS.**

TIN. DEEP.

Code.....	Feliendo	Felipare
Size, inches.....	1	1¼
Per gross.....	\$.....	.....
Weight per gross, lbs.....	3½	5½





## STRAIGHT HIGH CAN SCREWS.

TIN. CORK LINED. FOR HEADING IN.

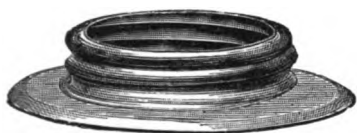
Code.....	Felipato	Felippus
Numbers .....	<b>107</b>	<b>318</b>
Size, inches.....	1	1½
Per gross .....	\$3.00	4.00
Weight per gross, lbs.....	.....	.....



## FLAT CAN SCREWS.

TIN. CORK LINED. WITH BEVELED FLANGE.

Code.....	Felkaar
Number .....	<b>102</b>
Size, inches.....	1½
Diameter of flange, inches.....	2
Per gross.....	\$2.50
Weight per gross, lbs.....	.....

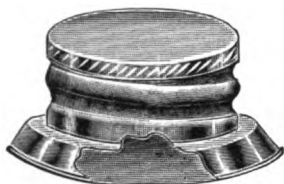


## SAFETY CAN SCREWS.

TIN. COMPOSITION LINED.

A disk of thin tin is placed on the bottom, which can be readily cut out.

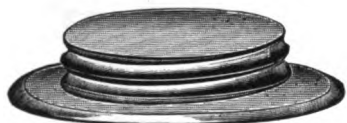
Code.....	Felkalbe
Size, inches.....	1½
Per gross.....	\$.....
Weight per gross, lbs.....	.....



## H. M. & S. FLAT CAN SCREWS.

TIN. WITH BEVEL FLANGE.

Code.....	Felkamast	Felkamina	Felkanet	Felkarf	Felkeit
Size, inches.....	1½	1½	1½	1½	1½
Outside bottom, in. 1¾	1¾	1¾	2	2	2
Lining.....	Unlined	Paper	Cork	Paper	Unlined
Per gross.....	\$1.60	2.00	3.00	2.50	2.00
Weight per gross, lbs. ....	.....	.....	.....	.....	.....



## H. M. & S. FLAT CAN SCREWS.

TIN. WITH FLAT FLANGE.

Code.....	Felkend	Felkeven	Felking
Size, inches.....	1½	2	2½
Outside bottom, inches .....	2¾	2¾	3¾
Per gross.....	\$3.00	4.00	5.00
Weight per gross, lbs.....	.....	.....	.....
Code.....	Felknil	Fellator	Fallatpack
Size, inches.....	2¾	3¾	3¾
Outside bottom, inches.....	3¾	4¾	5¾
Per gross.....	\$5.00	6.00	7.00
Weight per gross, lbs.....	.....	.....	.....

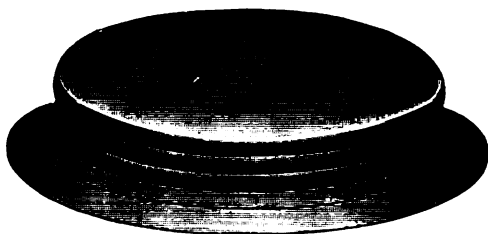
Can be made to fit any size can. Send us size and quantity required and we will estimate.



**FLAT CAN SCREWS.**

ZINC. FLAT FLANGE.

Code.....	Fellatrix	Felleric	Fellezas
Numbers.....	<b>997</b>	<b>989</b>	<b>1099</b>
Size, inches.....	5	6	8
Per dozen.....	\$3.00	4.00	5.00
Weight per dozen, lbs.....	.....	.....	.....

**H. M. & S. COFFEE JARS OR CROCKS.**

EARTHEN. GLAZED.

Code.....	Fellezate	Fellezaum	Fellezaup	Felliade
Gallons.....	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Top diameter, inches.....	8	8	8 1/4	9
Height, inches.....	11 1/4	12 3/4	13 3/4	15
Each.....	\$1.20	1.80	2.40	3.00
Weight each, lbs.....	9 1/2	11 1/2	13	15 1/4

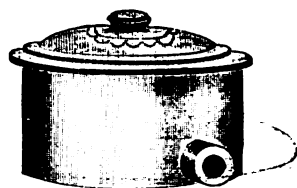
  

Code.....	Felliago	Felliket	Fellikram
Gallons.....	<b>6</b>	<b>8</b>	<b>10</b>
Top diameter, inches.....	9 1/4	11	.....
Height, inches.....	15 3/4	19	.....
Each.....	\$3.60	4.80	6.00
Weight each, lbs.....	18	24	.....

**H. M. & S. MILK CROCKS.**

EARTHEN. GLAZED.

Code.....	Fellikrop
Gallons.....	<b>2</b>
Diameter, inches.....	11 1/4
Height, inches.....	6
Each.....	\$1.50
Weight each, lbs.....	9 1/4

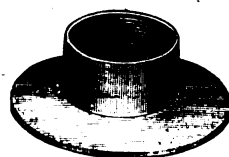
**H. M. & S. FLANGE SOCKETS.**

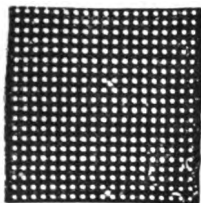
BRASS. STANDARD IRON PIPE THREAD.

Code.....	Fellique	Felltude	Fellorita
Size, inch.....	1/2	3/4	<b>1</b>
Outside bottom, inches.....	2 3/16	2 3/8	2 7/8
Each.....	\$0.40	.50	.70
Weight each, lbs.....	1/4	3/8	1/2

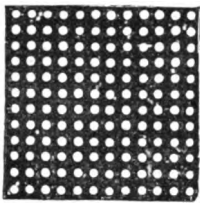
  

Code.....	Felluoso	Felmando	Felmark	Felmier
Size, inches.....	<b>1 1/4</b>	<b>1 1/2</b>	<b>2</b>	<b>3</b>
Outside bottom, inches.....	3 3/8	3 5/8	4 1/8	5 1/4
Each.....	\$1.00	1.50	1.80	2.50
Weight each, lbs.....	3/4	7/8	1	1 1/4

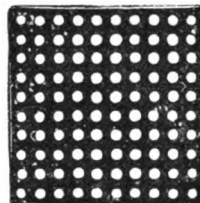


**PERFORATED TIN.**

No. 0.



No. 3.



No. 4

**EXTRA CHARCOAL.**

Code.	Numbers.	Thickness.	Size Sheet, Inches.	Sheets in Box.	Weight per Box.	Per Dozen Sheets.
Felmutes .....	0	IC	10 x 14	225	87 lbs.	\$3.50
Felonite .....	1	IC	10 x 14	225	76 "	3.00
Felpa .....	2	IC	10 x 14	225	71 "	2.50
Felschot .....	3	IXXXX	10 x 14	225	118 "	3.50
Felschur .....	1	IXX	14 x 20	112	125 "	6.00
Felsogno .....	2	IXX	14 x 20	112	121 "	6.00
Felspiel .....	3	IXX	14 x 20	112	115 "	6.00
Felstar .....	4	IXX	14 x 20	112	100 "	6.00
Felwasser .....	5	IXX	14 x 20	112	97 "	6.00
Felwerk .....	6	IXX	14 x 20	112	79 "	6.00
Felwitz .....	3	IXXXX	14 x 20	112	118 "	7.00
Felzaron .....	4	IXXXX	14 x 20	112	103 "	7.00
Felzeil .....	5	IXXXX	14 x 20	112	100 "	7.00
Felzone .....	6	IXXXX	14 x 20	112	82 "	7.00

**COKE.**

Code.	Numbers.	Thickness.	Size Sheet, Inches.	Sheets in Box.	Weight per Box.	Per Dozen Sheets.
Femacan .....	3	IC	10 x 14	225	71 lbs.	\$2.50
Femacris .....	4	IC	10 x 14	225	69 "	2.50
Femalden .....	5	IC	10 x 14	225	63 "	2.50
Femaloid .....	0	IC	14 x 20	112	87 "	7.00
Femalung .....	1	IC	14 x 20	112	85 "	5.00
Femanzar .....	2	IC	14 x 20	112	72 "	5.00
Femaorum .....	3	IC	14 x 20	112	71 "	5.00
Femaquer .....	4	IC	14 x 20	112	71 "	5.00

Table showing sizes of perforations in inches, number of perforations to the lineal inch, wire gauge of holes, and comparison numbers of slotted screens, meshes of wire screens and needle punch.

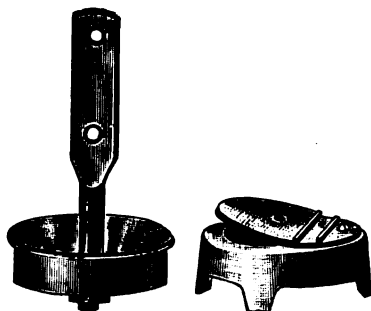
Numbers.	Style.	Diameter of Holes, Inches.	Holes to Lineal Inch.	Wire Gauge of Holes.	Comparison No. Slotted Screens.	Comparison Mesh Wire Screens.	Comparison No. Needle Punch.
0	Extra Fine .....	.027	20	22 B. & S.	No. 9	45	7
1	Fine .....	.033	18	19 "	" 7	35	5
2	Medium .....	.042	15	17 "	" 5	25	3
3	Coarse .....	.050	12	16 "	" 3	15	1
4	" .....	.066	10	14 "	...	...	00
5	" .....	.072	7½	13 "	...	...	...
6	Extra Coarse .....	.106	7½	10 "	...	...	...

## OIL AND LIQUOR PUMP VALVES AND PLUNGERS.

WITH LEATHER PACKING.

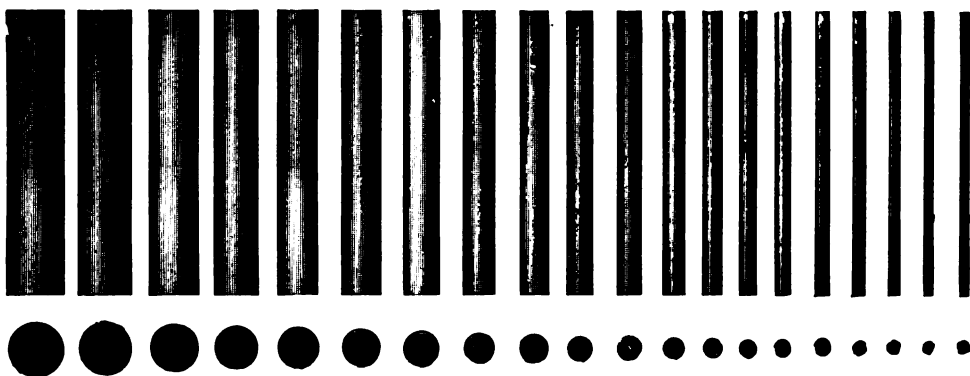
Code .....	Femarrola
Inches.....	1 $\frac{1}{4}$
Per dozen sets.....	\$6.00
Weight per dozen sets.....	1 $\frac{3}{4}$

One dozen sets in a box.



## STEEL WIRE.

Numbers 0 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



## ANNEALED MARKET WIRE.

100-Pound Bundles.

Code.....	Femarsine	Femarus	Femascato	Femdanza	Femegass	Femegava	Femelar	Femelete	Femelicas	Femescam	Femicetta	Femigella
Numbers	7	8	9	10	11	12	13	14	15	16	17	18
Per pound...	\$0.10	.10	.10	.11	.11	.11 $\frac{1}{2}$	.12 $\frac{1}{2}$	.12 $\frac{1}{2}$	.14	.14	.15	.16

Numbers 13, 14, 15 and 16 are used for Baling Wire.

## BRIGHT MARKET WIRE.

63-Pound Bundles.

Code.....	Femikoos	Femillos	Femitant	Femizen	Femodonal	Femogato	Femoidal	Femonite	Femoribus	Fempacht
Numbers.....	0	1	2	3	4	5	6	7	8	9
Per pound .....	\$0.10	.10	.10	.10	.10	.10	.10	.10	.10	.10

Code .....	Fempapst	Fempelle	Femperst	Fempiendo	Femsech	Femsico	Femsilio	Fenacione	Fenaikum
Numbers.....	10	11	12	13	14	15	16	17	18
Per pound.....	\$0.11	.11	.11 $\frac{1}{2}$	.12 $\frac{1}{2}$	.12 $\frac{1}{2}$	.14	.14	.15	.16

## GALVANIZED MARKET WIRE.

100-Pound Bundles.

Code .....	Fenaldoli	Fenalisal	Fenaltic	Fenamilla	Fenance	Fenanken	Fenannas	Fenantem
Numbers.....	2	3	4	5	6	7	8	9
Per pound.....	\$0.10	.10	.10	.10	.10	.10	.10	.10

Code .....	Fenanthen	Fenappen	Fenargali	Fenascius	Fenatica	Fenazite	Fencable	Fencants
Numbers.....	10	11	12	13	14	15	16	18
Per pound.....	\$0.11	.11	.11 $\frac{1}{2}$	.12 $\frac{1}{2}$	.12 $\frac{1}{2}$	.14	.14	.16

**COPPERED MARKET WIRE.****63-Pound Bundles.**

Code .....	Fencay	Fenchada	Fenchean	Fenchone	Fenciado	Fendemia	Fendieron	Fendritt	Fendrosi
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
Per pound.....	\$0.10	.10	.10	.10	.10	.10	.10	.10	.10

Code .....	Fenelines	Fenepoti	Fenerabil	Fenevolus	Fengoar	Fengott	Fengulado	Fenhafiz	Fenhassar
Numbers.....	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
Per pound.....	\$0.11	.11	.11½	.12½	.12½	.14	.14	.15	.16

**TINNED WIRE.****63-Pound Bundles.**

Code .....	Fenhegan	Fenhiras	Fenhonsol	Fenicale	Fenicots	Feniscope	Fenmah
Numbers .....	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>12</b>	<b>14</b>
Per pound.....	\$0.15	.15	.15	.15	.16	.17	.17

**ANNEALED STONE WIRE.****12-Pound Bundles.**

Code .....	Fennebit	Fennetti	Fennetur	Fennibus	Fennita	Fennista	Fennosco	Fenodator	Fenolied
Numbers.....	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
Per pound.....	\$0.14	.15	.16	.19	.20	.21	.22	.23	.24

**GALVANIZED STONE WIRE.****12-Pound Bundles.**

Code .....	Fenopfer	Fentarum	Fentebam
Numbers .....	<b>16</b>	<b>18</b>	<b>20</b>
Per pound.....	\$0.14	.16	.20

**TINNED STONE WIRE.****12-Pound Bundles.**

Code .....	Fentella	Fentesma	Fenzak
Numbers .....	<b>18</b>	<b>19</b>	<b>20</b>
Per pound.....	\$0.18½	.19	.19

Steel wire numbered according to American Steel Wire Company's gauge.

**Table of Size, Weight, Length and Strength of Iron Wire.**

Wire Gauge, Number.	Diameter, Inches.	Pounds Per 100 Feet.	Pounds Per Mile.	Feet in 63 Pounds.	Feet in 100 Pounds.	Breaking Weight, Pounds.
<b>0</b>	.307	24.97	1,318.41	228	399	5,926
<b>1</b>	.283	21.23	1,120.94	296	468	5,226
<b>2</b>	.263	18.34	968.35	343	544	4,570
<b>3</b>	.244	15.78	733.18	399	631	3,948
<b>4</b>	.225	13.42	708.57	470	738	3,374
<b>5</b>	.207	11.35	559.28	555	875	2,839
<b>6</b>	.192	9.77	515.85	647	1,017	2,476
<b>7</b>	.177	8.30	438.24	759	1,197	2,136
<b>8</b>	.162	6.96	367.48	905	1,429	1,813
<b>9</b>	.148	5.80	306.24	1,086	1,705	1,507
<b>10</b>	.135	4.83	255.02	1,304	2,057	1,233
<b>11</b>	.120	3.82	201.69	1,649	2,582	1,010
<b>12</b>	.105	2.92	154.17	2,158	3,369	810
<b>13</b>	.092	2.24	118.27	2,813	4,478	631
<b>14</b>	.080	1.69	89.23	3,728	5,858	474
<b>15</b>	.072	1.37	72.33	4,598	7,232	372
<b>16</b>	.063	1.05	55.44	6,000	9,598	292
<b>17</b>	.054	.77	40.76	8,182	12,860	222
<b>18</b>	.047	.58	30.89	10,862	16,620	169
<b>19</b>	.041	.45	23.49	14,000	22,300	124
<b>20</b>	.035	.32	17.10	19,687	30,960	96
<b>21</b>	.032	.27	14.30	23,333	37,310	72
<b>22</b>	.028	.21	10.92	30,000	45,840	54
<b>23</b>	.025	.17	8.71	.....	56,330	.....
<b>24</b>	.023	.14	7.39	.....	70,870	.....

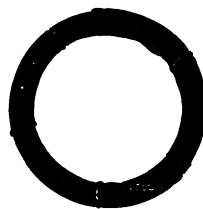
**SOFT COPPER WIRE.**

Code.....	Fenzarico	Fenziale	Fenziren
Numbers.....	<b>5</b>	<b>6</b>	<b>7</b>
Per pound.....	\$0.28	.28	.28

Code.....	Feobacco	Feodasti	Feoditer
Numbers.....	<b>8</b>	<b>9</b>	<b>10</b>
Per pound.....	\$0.28	.28	.28

Code.....	Feodora	Feofassi	Feofates	Feokass	Feolaag	Feolanti	Feolaque	Feolard	Feolaria	Feolassi	Feolingo
Numbers.....	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>22</b>
Per pound.....	\$0.28½	.28½	.28½	.28½	.29	.30	.32	.32	.33	.33	.35

Nos. 5 to 13 put up in 25-pound coils. Nos. 14 to 32 put up in 5-pound coils.

**HIGH BRASS WIRE.****5-Pound Coils.**

Code.....	Felood	Feomeator	Feomeister	Feopases	Feopimus	Feopitum	Feosisto
Numbers.....	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
Per pound.....	\$0.23	.23	.23	.23	.23	.23½	.23½

Code.....	Feositis	Feotado	Feotandi	Feotent	Feoteur	Fepasilo
Numbers.....	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
Per pound.....	\$0.23½	.23½	.23½	.23½	.24	.24

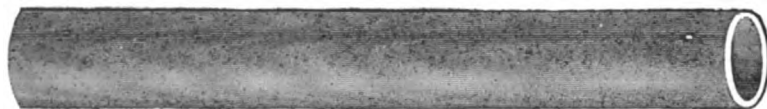
**SPRING BRASS WIRE.****5-pound Coils.**

Code.....	Feplini	Feracari	Ferachico	Feraline	Ferbarca	Ferbaren	Ferbatage
Numbers.....	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
Per pound.....	\$0.25	.25	.25	.25	.25	.25	.25½

Code.....	Ferbelang	Ferbelebt	Ferbesing	Ferbillas	Ferblant	Ferbloden	Ferboer
Numbers.....	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
Per pound.....	\$0.25½	.25½	.25½	.25½	.25½	.26	.26

Brass and copper wire numbered according to Brown and Sharpe's gauge.

**SEAMLESS BRASS TUBING.****FOR PUMP CYLINDERS, ETC.**

Code.....	Ferbogia	Ferbooni	Fercassi	Ferchen	Ferchung	Ferdance	Ferdiste	Ferditio
Outside diameter, inches.....	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
Stub's gauge, numbers.....	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>
Weight per foot, lbs.....	2.80	2.20	1.67	1.20	3.76	2.96	2.24	1.60
Per pound.....	\$.....	.....	.....	.....	.....	.....	.....	.....

In lengths of 12 and 18 feet.

Cut any desired length to order. Add for cutting lengths, per pound, \$.05.



**SEAMLESS BRASS TUBING.**

## NICKEL-PLATED.

Code .....	Ferdiva	Ferdouant	Ferdules
Outside diameter, inches.....	$\frac{3}{4}$	1	$1\frac{1}{4}$
Stub's gauge, numbers .....	25	$24\frac{1}{2}$	22
Weight per foot, lbs .....	.17	.24	.40
Covers Standard Iron Pipe, inch.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Per foot.....	\$.....	.....	.....

In lengths of 6 feet.

**SEAMLESS BRASS TUBING.**

## ANNEALED. IRON PIPE SIZE.

Code .....	Ferelos	Ferenzin
Inch.....	$\frac{3}{8}$	$\frac{1}{2}$
Weight per foot, lbs .....	.62	.90
Outside diameter, inch.....	.675	.84
Per foot .....	\$.....	.....

In lengths of 6 feet.

Add for cutting and threading. Add for nickel-plating.

**BRAZED BRASS TUBING.**

Code .....	Ferepuno	Ferfando	Ferfetar	Fergaben
Outside diameter, inches .....	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{1}{2}$
Stub's gauge, numbers.....	22	22	22	20
Weight per foot, lbs.....	.40	.45	.48	.59
Per foot .....	\$.....	.....	.....	.....

In lengths of 6 feet.

Add for polishing. Add for nickel-plating.

**BRAZED BRASS TUBING.**

## ANNEALED.

Code .....	Fergadil
Outside diameter, inch.....	$\frac{1}{2}$
Stub's gauge, number .....	20
Weight per foot, lbs.....	.19
Per foot.....	\$.....

In lengths of 6 feet.

Add for polishing. Add for nickel-plating.

**SEAMLESS BRASS PIPE.**

## STANDARD IRON PIPE SIZE. NOT THREADED. SMOOTH AND BRIGHT.

Code .....	Fergalacte	Fergapt	Fergapen	Fergeln	Fergessi	Fergich	Fergimus
Inches.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Weight per foot, lbs .....	.62	.90	1.25	1.70	2.50	3.00	4.00
Outside diameter, inches.....	.675	.840	1.05	1.315	1.66	1.90	2.375
Inside " " .....	$1\frac{5}{32}$	$\frac{3}{8}$	$2\frac{1}{32}$	$1\frac{13}{32}$	$1\frac{11}{32}$	$1\frac{1}{8}$	$2\frac{1}{16}$
Per pound.....	\$.....	.....	.....	.....	.....	.....	.....

In lengths of 12 feet. Cut any desired length to order. \*

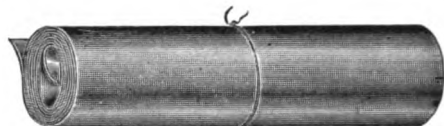
Add for cutting and threading. Add for polishing and nickel-plating.

**HIGH BRASS IN ROLLS.**

SUITABLE FOR SPINNING AND GENERAL USE.

14 inches wide.

Code .....	Fergitur	Ferglanz	Fergresse	Ferground
Numbers .....	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>
Per pound .....	\$.....	.....	.....	.....



Code .....	Fergunst	Fergus	Ferhapt	Ferhande	Ferkappe	Ferklopt	Ferlagen
Numbers .....	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>
Per pound .....	\$.....	.....	.....	.....	.....	.....	.....

18 inches wide.

Code .....	Ferlauf	Ferlimmo	Fermerai	Ferrest	Fermique	Fermita	Fermitigo	Fermond	Fermosk	Fernadet	Fernardo
Numbers .....	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>
Per pound .....	\$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

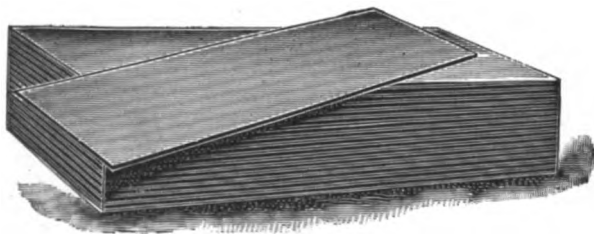
Full rolls, 50 to 70 pounds.

**SIGN BRASS.**

NO. 14 BROWN AND SHARPE'S GAUGE.

Code .....	Fernesco	Ferogava	Feromeiza	Feronder	Ferontine	Feroque
Width, inches.....	<b>9</b>	<b>12</b>	<b>14</b>	<b>18</b>	<b>24</b>	<b>30</b>
Per pound.....	\$.....	.....	.....	.....	.....	.....

Sheets 12 to 14 feet in length. We do not cut sign brass.

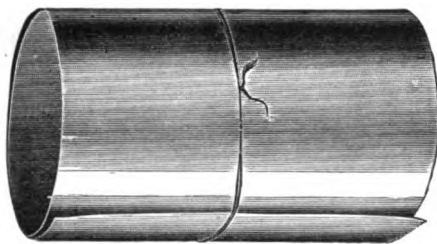
**HIGH BRASS IN SHEETS.**

HALF HARD.

24 x 48 inches.

Code .....	Feroth	Ferpado	Ferpend	Ferpezi	Ferpiter	Ferrador	Ferrano	Ferrebb	Ferresti	Ferrocal	Ferrugon
Wt. per sheet, lbs....	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>26</b>
B. & S. Gauge, Nos...	<b>27</b>	<b>25</b>	<b>24</b>	<b>23</b>	<b>21</b>	<b>20</b>	<b>17</b>	<b>16</b>	<b>15</b>	<b>14</b>	<b>12</b>
Per pound.....	\$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Roll and Sheet Brass numbered according to Brown and Sharpe's gauge.

**BRAZIERS' SHEET COPPER.**

SOFT ROLLED.

30 x 60 inches.

Code .....	Fersant	Fersebit	Fersemus	Fersida
Weight per sheet, lbs.....	7 3/4 to 9	9 1/4 to 10	11 to 12	12 1/2
Stubs' gauge, numbers.....	20	27	26	24
Weight per square foot, ounces.....	10	12	14	16
Per pound.....	\$.....	.....	.....	.....

We also carry 30 x 60 sheets weighing 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 28, 30, 35, 40 pounds each.

**GENUINE PLANISHED SHEET COPPER.**

COLD ROLLED. TINNED ON ONE SIDE.

14 x 48 inches.

Code .....	Fersonne	Fersorum	Ferstall
Weight per square foot, ounces.....	12	14	16
Stubs' gauge, numbers.....	27	26	24
Per pound.....	\$.....	.....	.....
Tinning per sheet.....	\$.....	.....	.....

14 x 56 inches.

Code .....	Ferstate	Fertechi
Weight per square foot, ounces.....	14	16
Stubs' gauge, numbers.....	26	24
Per pound.....	\$.....	.....
Tinning per sheet.....	\$.....	.....

14 x 60 inches.

Code .....	Fertical	Fertiga
Weight per square foot, ounces.....	14	16
Stubs' gauge, numbers.....	26	24
Per pound.....	\$.....	.....
Tinning per sheet.....	\$.....	.....

Sheet copper numbered according to Stubs' gauge.

**GENUINE PLANISHED SHEET COPPER.**

COLD ROLLED. TINNED ON ONE SIDE.

30 x 60 inches.

Code .....	Fertorial	Fertrine	Ferviator	Fesadore	Fesakengi	Fesaphora	Fescamus	Fescando	Fescate	Fesegeur
Weight per sheet, lbs.....	10	11	12	13	14	15	16	18	20	22
Stubs' gauge, numbers ...	27	26	25	24	23	22	22 1/2	21	21 1/2	20
Wt. per square foot, ozs..	12	14	15	16	18	20	22	24	25	28
Per pound.....	\$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tinning per sheet...	\$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

**TINNED SHEET COPPER.**

SOFT ROLLED. TINNED ON ONE SIDE.

14 x 48 inches.

Code .....	Feshadi	Feshayot	Fesicles	Fesidness	Fesificos	Fesiles
Weight per square foot, ounces.....	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>24</b>
Stubs' gauge, numbers.....	27	26	24	23	22	21
Per pound.....	\$.....	.....	.....	.....	.....	.....
Tinning per sheet.....	\$.....	.....	.....	.....	.....	.....

16 x 64 inches. 17 x 68 inches. 18 x 72 inches.

Code .....	Fesilium	Fesimos	Fesingat
Weight per square foot, ounces.....	<b>14</b>	<b>16</b>	<b>16</b>
Stubs' gauge, numbers.....	26	24	24
Per pound.....	\$.....	.....	.....
Tinning per sheet.....	\$.....	.....	.....

30 x 60 inches.

Code .....	Fesivago	Feskic	Feskluut	Feskung
Weight per sheet, lbs.....	<b>8 to 9</b>	<b>9½ to 10¾</b>	<b>11 to 12</b>	<b>12½</b>
Weight per square foot, ounces.....	11	12	14	16
Per pound.....	\$.....	.....	.....	.....
Tinning per sheet.....	\$.....	.....	.....	.....

We also carry 30 x 60-inch sheets weighing 13, 14, 15, 16, 18 and 20 pounds each.

**CORNICE COPPER.**

COLD ROLLED. PATENT LEVELED.

24 x 96 inches.

30 x 60 inches

Code .....	Fesocomo	Fesolus	Fessadera	Fessegeel	Fessione	Fesslag
Weight per square foot, ounces.....	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>16</b>	<b>18</b>
Stubs' gauge, numbers.....	27	26	24	23	24	23
Per pound.....	\$.....	.....	.....	.....	.....	.....

30 x 72 inches.

30x 96 inches.

Code .....	Fessolin	Feestiva	Fesstola	Fesstube	Festabi	Festamin	Festapso	Festardo
Weight per square foot, ounces..	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>
Stubs' gauge, numbers.....	27	26	24	23	27	26	24	23
Per pound.....	\$.....	.....	.....	.....	.....	.....	.....	.....

Sheet Copper numbered according to Stubs' gauge.

**TOBIN BRONZE RODS.**

REGULAR ROUND BARS. SUITABLE FOR PUMP RODS, STAY RODS, BOLTS, ETC. HARD, DUCTILE, NON-CORROSIVE, STRONG, TOUGH AND UNIFORM.

Code .....	Festarent	Festareux	Festaseck	Festasist	Festaurus	Festavid	Festaxem
Diameter, inches.....	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$
Weight, per foot, lbs.....	....	.177	.399	.711	1.11	1.60	2.18
Per pound .....	\$....	.....	.....	.....	.....	.....	.....

Code .....	Festbard	Festbeere	Festbird	Festboom	Festbrand	Festbrech	Festbride
Diameter, inches .....	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Weight, per foot, lbs.....	2.84	3.60	4.46	5.36	6.42	8.70	11.38
Per pound.....	\$.....	.....	.....	.....	.....	.....	.....

Length of bars 15 to 17 feet.

We can supply any of the above sizes from stock.

**WE ARE PACIFIC COAST AGENTS FOR TOBIN BRONZE**

Which we can furnish from factory in the following forms: Pump Piston Rods, Flat, Round, Square and Hexagon Bars, Plates, Sheets and Billets.

Tobin Bronze is a combination of copper with other metals. Can be forged either hot or cold. Has a specific gravity of 8.379 as against 8.93 for copper. The weight of a **cubic inch** of Tobin Bronze and Copper is respectively .3021 and .3176 of a pound, a difference of .0155 of a pound in favor of Tobin Bronze.

It is suitable for:

Pump Piston Rods and Valve Stems,	Railway Car Boxes,
Pump Plungers, Valve Faces,	Block Pins, Center Boards,
Gun Carriage Tracks and Slides,	Condenser Tubes Plates and Stay Rods,
Forged Gunpowder Tools,	Launch Shafting,
Cross-head Gibs and Slides,	Tannic Acid Extractor Shells,
Disc Valves for Pumps,	Hull Plates for Yachts etc.
Powder Mill Plates,	Commutator Bars and Drop
Propeller Bolts,	Forgings of Every Description,
Deck Bolts and Ship Fastenings,	Bolts, Nuts, Screws and Rivets,
Linings for Pumps,	Fin Keels and Rudders,
Turnbuckles and Liners,	Perforated Screen Plates for
	Coal Mines and Paper Mills.

Testimonials from some of the largest manufacturers in the United States give Tobin Bronze the highest recommendations, and when once used by a manufacturer has taken the place of all other metals for high grade work.

**INSTRUCTIONS FOR ORDERING AND USING TOBIN BRONZE.**

In ordering sheets, rods, etc., of Tobin Bronze, **please mention for what purpose the metal is to be used, temper required, and the strain subjected to when in practical use.** This information is necessary for guidance in the manufacture and treatment of the metal.

In forging, flanging and upsetting Tobin Bronze, great care should be taken to heat it gradually and work it only at a **cherry red heat**. It is particularly specified not to work or strike the metal at a black heat. Always allow forgings to cool gradually.

To forge a bolt head or flange a plate, sufficient of the metal should be heated to insure soundness and uniformity after finishing.

When required for **Piston Rods** or yacht shafting so specify, as we supply them finished and perfectly straight cut to required lengths.

Particulars and prices of plates, rods, etc., furnished on application.



## Weight of Copper and Brass Wire and Plates by American Gauge.

Number of Gauge.	Thickness, Decimals of Inch.	Weight of Wire per 1000 Lineal Feet.		Weight of Plates per Square Foot.	
		Copper, lbs.	Brass, lbs.	Copper, lbs.	Brass, lbs.
0	.32486	319.45	301.82	14.716	13.904
1	.28930	253.34	239.35	13.105	12.382
2	.25763	200.91	189.82	11.671	11.027
3	.22942	159.32	150.52	10.393	9.8192
4	.20431	126.35	119.38	9.2552	8.7445
5	.18194	100.20	94.666	8.2419	7.787
6	.16202	79.462	75.075	7.3395	6.9345
7	.14428	63.013	59.545	6.5359	6.1752
8	.12849	49.976	47.219	5.8206	5.4994
9	.11443	39.636	37.437	5.1837	4.8976
10	.10189	31.426	29.687	4.6156	4.3609
11	.090742	24.924	23.549	4.1106	3.8838
12	.080808	19.766	18.676	3.6606	3.4586
13	.071961	15.674	14.809	3.2598	3.0799
14	.064084	12.435	11.746	2.9030	2.7428
15	.057068	9.859	9.315	2.5852	2.4425
16	.050820	7.819	7.587	2.3021	2.1751
17	.045257	6.199	5.857	2.0501	1.937
18	.040303	4.916	4.645	1.8257	1.725
19	.035890	3.899	3.684	1.6258	1.5361
20	.031961	3.094	2.920	1.4478	1.3679
21	.028462	2.452	2.317	1.2893	1.2182
22	.025347	1.945	1.838	1.1482	1.0849
23	.022571	1.542	1.457	1.0225	.96604
24	.020100	1.223	1.155	.91053	.86028
25	.017900	.9699	.9163	.81087	.76612
26	.01594	.7692	.7267	.72208	.68223
27	.014195	.6099	.5763	.64303	.60755
28	.012641	.4837	.4570	.57264	.54103
29	.011257	.3835	.3624	.50994	.48180
30	.010025	.3002	.2874	.45413	.42907
31	.008928	.2413	.2280	.40444	.38212
32	.007950	.1913	.1808	.36014	.34026

## Official Table Adopted by the Association of Copper Manufacturers of the United States.

Rolled copper has specific gravity of 8.93. One cubic foot weighs  $558\frac{1}{2}\frac{5}{1000}$  lbs. One square foot one inch thick weighs  $46\frac{1}{2}\frac{1}{100}$  lbs.

Ounces per Square Foot.	14x48 Sheets. Weight in pounds.	30x60 Sheets. Weight in pounds.	48x72 Sheets. Weight in pounds.	Thickness in Decimal Parts of One Inch.	Stubs' Gauge, Nearest Number.
4	1.16	3.12	6	.00537	35
6	1.75	4.68	9	.00806	33
8	2.33	6.25	12	.0107	31
10	2.91	7.81	15	.0134	29
12	3.50	9.37	18	.0161	27
14	4.08	10.93	21	.0188	26
16	4.66	12.50	24	.0215	24
18	5.25	14.06	27	.0242	23
20	5.83	15.62	30	.0269	22
24	7.	18.75	36	.0322	21
32	9.33	25.	48	.0430	19
40	11.66	31.25	60	.0538	18
48	14.	37.50	72	.0645	16
56	16.33	43.75	84	.0754	15
64	18.66	50.	96	.0860	14
70	.....	55.	105	.095	13
81	.....	63.	122	.109	12
89	.....	70.	134	.120	11
100	.....	78.	150	.134	10
110	.....	86.	165	.148	9
123	.....	96.	184	.165	8
134	.....	105.	201	.180	7
151	.....	118.	227	.203	6

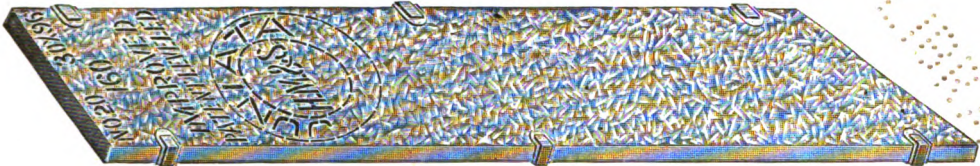
Table Showing Difference Between Wire Gauges in Decimal Parts of an Inch.

Number of Wire Gauge.	American Steel and Wire Co. or Washburn & Moen.	Birmingham or Stubs'	American or Brown & Sharpe's.	English Legal Standard.	Old English or London.
0	.307	.340	.32495	.324	.340
1	.283	.300	.28930	.3	.300
2	.263	.284	.25763	.276	.284
3	.244	.259	.22942	.252	.259
4	.225	.238	.20431	.232	.238
5	.207	.220	.18194	.212	.220
6	.192	.203	.16202	.192	.203
7	.177	.180	.14428	.176	.180
8	.162	.165	.12849	.16	.165
9	.148	.148	.11443	.144	.148
10	.135	.134	.10189	.128	.134
11	.120	.120	.09074	.116	.120
12	.105	.109	.08080	.104	.109
13	.092	.095	.07196	.092	.095
14	.080	.083	.06408	.08	.083
15	.072	.072	.05706	.072	.072
16	.063	.065	.05082	.064	.065
17	.054	.058	.04525	.056	.058
18	.047	.049	.04030	.048	.049
19	.041	.042	.03589	.04	.040
20	.035	.035	.03196	.036	.035
21	.032	.032	.02846	.032	.0315
22	.028	.028	.025347	.028	.0295
23	.025	.025	.022571	.024	.027
24	.023	.022	.0201	.022	.025
25	.020	.020	.0179	.02	.023
26	.018	.018	.01594	.018	.0205
27	.017	.016	.014195	.0164	.01875
28	.016	.014	.012641	.0148	.0165
29	.015	.013	.011257	.0136	.0155
30	.014	.012	.010025	.0124	.01375
31	.0135	.010	.008928	.0116	.01225
32	.0130	.009	.00795	.0108	.01125
33	.0110	.008	.00708	.01	.01025



**JUNIATA GALVANIZED SHEETS.**

BEST BLOOM.



Numbers .....	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>30</b>
List, per pound .....	\$0.12	.12	.12	.13	.13	.14	.14	.15	.16	.17	.21
Weight per square foot, lbs...	4.531	3.281	2.656	2.156	1.656	1.406	1.156	.9062	.8437	.7812	.6562

Iron 36 inches wide one cent higher than above.

**Table showing our stock sizes with code words, weights in pounds of bundles, and number of sheets in one bundle.**

Gauges.	12			14			16			18			20		
Size of Sheet.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.
24x 72	Festemus...	3	163	Festness...	4	157	Fetandre...	5	159	Feteless....	6	155	Fetifice.....	8	159
24x 84	Festering...	2	127	Fetacage...	3	138	Fetardo....	4	149	Fetelia.....	5	151	Fetified.....	7	162
24x 96	Festeval....	2	145	Fetacest....	3	157	Fetarsite...	4	170	Fetening....	4	138	Fetirte.....	6	159
30x 72	.....	.....	.....	Fetacons...	3	148	Fetarvat....	4	159	Feteraste...	5	162	Fetivoler....	6	149
30x 84	Festique....	2	159	Fetadion...	3	172	Fetaumer...	3	139	Feteratio...	4	151	Fetmar.....	5	145
30x 96	Festoir.....	2	181	Fetagito....	2	131	Fetavaro....	3	159	Feterous....	4	172	Fetolius.....	5	166
30x108	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30x120	.....	.....	.....	Fetahest...	2	164	Fetazella...	2	133	Fetescho... 3	162	Fetonic.....	4	166	.....
36x 72	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36x 84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36x 96	.....	.....	.....	Fetalogia...	2	157	Feteciss....	2	127	Fetibono...	3	155	Fetral.....	4	159
36x120	.....	.....	.....	Fetampsy...	2	197	Fetegma....	2	159	Feticos....	2	129	Fetrim.....	3	149

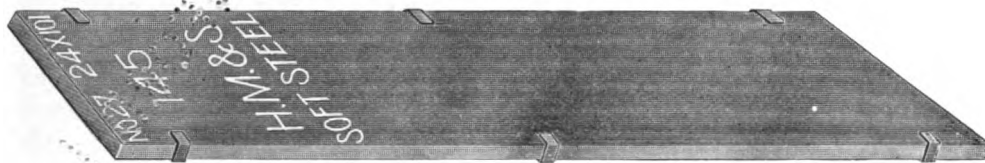
Gauges.	22			24			26			27			28		
Size of Sheet.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.
24x 72	Fetrock....	9	152	Feuchon....	11	153	Feumilch...	14	152	Feusides...	15	152	Fevalang...	16	150
24x 84	Fetspan....	8	158	Feudant....	9	146	Feumoes...	12	152	Feutiche...	13	154	Fevalling...	14	153
24x 96	Fetstun....	7	157	Feudist....	8	148	Feumoire...	10	145	Feutimos...	11	148	Fevandi....	12	150
30x 72	Fettelar...	7	148	Feugeld...	9	156	Feuregel...	11	149	Feutore...	12	152	Fevagraf...	13	152
30x 84	Fettelhaft...	6	148	Feuglant...	7	142	Feuroso....	10	159	Feutude...	10	148	Feveito....	11	150
30x 96	Fetterave...	5	141	Feugliar...	7	162	Feursord...	8	145	Feuzien...	9	152	Fevelure...	10	156
30x108	Fettonica...	5	158	Feuklad...	6	153	Feurston...	8	168	.....	.....	.....	.....	.....	.....
30x120	Fetung.....	4	141	Feukol....	5	145	Feurtia....	7	159	Feuzolt....	7	148	.....	.....	.....
36x 72	.....	.....	.....	Feukrup...	7	146	Feusermo...	9	147	.....	.....	.....	.....	.....	.....
36x 84	.....	.....	.....	Feukster...	6	146	.....	.....	.....	.....	.....	.....	.....	.....	.....
36x 96	Fetulare...	5	169	Feulsmeid...	6	166	Feusias....	7	152	Feuzug....	8	162	.....	.....	.....
36x120	Feturio....	4	169	Feulswerk...	5	173	.....	.....	.....	.....	.....	.....	.....	.....	.....

We also have No. 30 gauge in the following sizes: 24x96, 30x96.

Code words are for Gauge and Size only, and do not cover quantities.

**BLACK SOFT STEEL SHEETS.**

ONE PASS. COLD ROLLED. BOX ANNEALED.



Numbers.....	14	16	18	20	22	24	26	27	28	30
Per pound.....	\$.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Table showing our stock sizes with code words, weights in pounds of bundles, and number of sheets in one bundle.

Gauges.	14			16			18			20			22		
Size of Sheet.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.
24x 72	Fevendolo.	4	146	Fevolken...	5	144	Fewdildf....	6	141	Fewgiamo.	8	149	Fewrap.....	9	148
24x 84	Feverello...	4	175	Fevorens...	5	175	Fewdracht.	6	168	Fewgruss...	8	168	Fewrays....	9	157
24x 96	Fevergeil...	3	150	Fevorismo.	4	160	Fewgaan...	5	160	Fewkennig	7	168	Fewreck....	8	160
24x101	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26x 96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30x 72	Fevernel...	3	141	Fewcane...	4	148	Fewgarid...	5	151	Fewkocht...	7	164	Fewrot.....	7	147
30x 84	Fevestria...	3	164	Fewcaras...	4	175	Fewgeest...	5	175	Fewkrug...	6	157	Feycite....	8	175
30x 96	Fevitura...	3	188	Fewdax...	3	150	Fewgerum...	4	160	Fewlage...	5	180	Feyclim....	6	150

Gauges.	24			26			27			28			30		
Size of Sheet.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.	Code Word.	No. of Sheets.	Weight of Bundle.
24x 72	Feycorant.	12	147	Fezetsel...	16	146	Fiabulos...	18	157	Fiadrom...	20	159	.....	.....	.....
24x 84	Fezadig....	11	154	Fezoard....	14	147	Fiacheto...	15	144	Fiadraph...	17	149	Fiamella...	20	143
24x 96	Fezaner....	10	160	Fezong....	12	144	Fiaconal...	14	154	Fialepse...	15	150	.....	.....	.....
24x101	Fezantes...	9	152	Fezote....	12	151	Fiaconie...	13	150	Fialima...	14	148	.....	.....	.....
26x 96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Fiamotus...	18	153
30x 72	Fezenheid.	10	156	Fezudas...	13	151	Fiacope...	14	147	Fiallus...	16	153	.....	.....	.....
30x 84	Fezestan...	9	157	Fiabella...	11	144	Fiademus...	13	156	Fialogas...	14	153	.....	.....	.....
30x 96	Fezetha...	8	160	Fiablura...	10	150	Fiadoco...	11	151	Fiamante...	17	150	.....	.....	.....

Code words are for Gauge and Size only, and do not cover quantities.

**BESSEMER REFINED STEEL SHEETS.**

BLUE ANNEALED.

Numbers.....	14	16
Per pound.....	\$.....	.....

Table showing our stock sizes with code words, weights in pounds of bundles, and number of sheets in one bundle.

Gauges.	14			16		
Size of Sheet.	Code Word.	Number of Sheets.	Weight of Bundle.	Code Word.	Number of Sheets.	Weight of Bundle.
24x72	Fianantic.....	4	146	Fiatoni.....	5	144
24x84	Fianelle.....	4	175	Fiatonum.....	5	175
24x96	Fianous.....	3	150	Fiatribist.....	4	160
30x72	Fiasome.....	3	141	Fiaturbi.....	4	148
30x84	Fiastilos.....	3	164	Fibalas.....	4	175
30x96	Fiatisis.....	3	188	Fibaphose.....	3	150

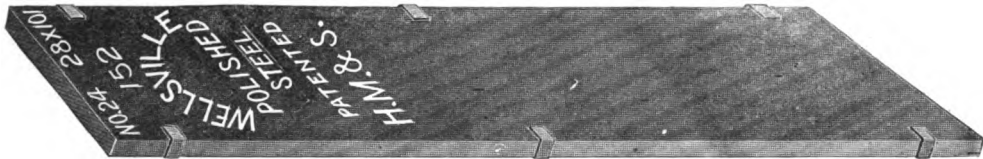
Code words are for Gauge and Size only.

**BLACK GOLDEN GATE SHEET IRON.**

FREE FROM SMUT. PATENT LEVELED. UNIFORM COLOR.

Size, 24 x 101 Inches.

Code .....	Fibastir	Fibolim	Fibosco
Numbers .....	<b>26</b>	<b>27</b>	<b>28</b>
Per pound .....	\$.....	.....	.....

**WELLSVILLE POLISHED STEEL.****"A" Quality. 28x101 Inches.**

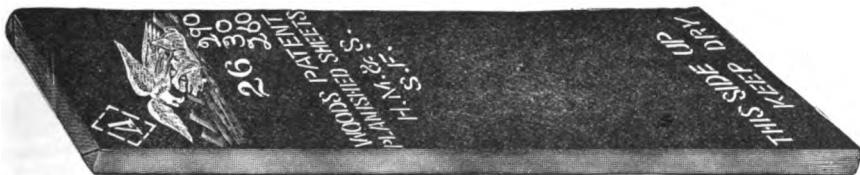
Code .....	Fibrocato	Fibrochi	Ficalcho	Ficarcho
Numbers .....	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>
Per pound .....	\$.....	.....	.....	.....

In bundles. Average weight of bundles 145 pounds.

**"A" Quality. 28x60 Inches.**

Code .....	Ficardant
Number .....	<b>27</b>
Per pound .....	\$.....

Put up in metal cases or packs same as Planished Iron. Average weight of cases or packs, 290 pounds.

**WOODS' PATENT PLANISHED SHEET IRON.****"A" Quality. 28x60 Inches.**

Code .....	Ficarpet	Ficaster	Ficator	Ficevolet	Fichase	Fichelop	Fichiar
Numbers .....	<b>20</b>	<b>22</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
Weight per sheet, lbs. ....	16.5	13.5	11.	10.	9.	8.5	8.
Per pound .....	\$.....	.....	.....	.....	.....	.....	.....

**"A" Quality. 28x72 Inches.**

Code .....	Fichinot
Number .....	<b>22</b>
Weight per sheet, lbs. ....	16.25
Per pound .....	\$.....

**"B" Quality. 28x60 Inches.**

Code .....	Fichloir	Fichoden	Fichorum	Ficibolus	Ficibuler
Numbers .....	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
Weight per sheet, lbs. ....	11.	10.	9.	8.5	8.
Per pound .....	\$.....	.....	.....	.....	.....

Put up in metal cases or packs, with wood backs. Takes same rate of freight as Black Iron.

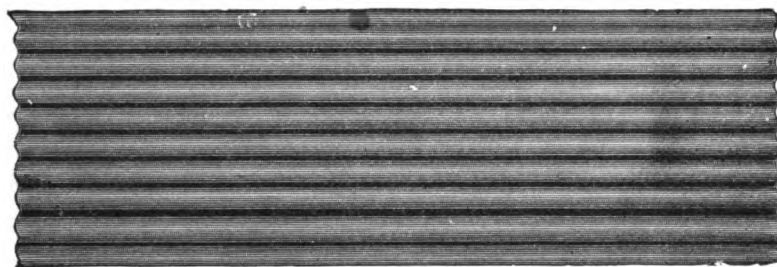
Average weight of cases or packs, 290 pounds.

**Average Number of Sheets in a Pack.**

Number of iron .....	<b>20</b>	<b>22</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
Number of sheets .....	16	19	23	25	29	30	32

**CORRUGATED ROOFING.**

BLACK STEEL. PAINTED RED.



6 to 10 feet long, 26 inches wide.

Twenty-six inches wide after corrugating. Two and one-half inch corrugations.

Allowing for lap of one corrugation it lays twenty-four inches to the weather.

Numbers.....	<b>24</b>	<b>26</b>	<b>27</b>	<b>28</b>
Weight per square, lbs.....	110	83	76	69
Per square.....	\$.....	.....	.....	.....

**Table Showing Number of Sheets in a Square, and Code Words.**

Gauges.		<b>24</b>	<b>26</b>	<b>27</b>	<b>28</b>
Length of Sheets. Inches.	Number of Sheets to a Square.	Code Word.	Code Word.	Code Word.	Code Word.
<b>72</b>	7.692	Ficitoare.....	Ficraniot.....	Fidamure.....	Fidelphor.
<b>84</b>	6.593	Ficlapod.....	Ficranur.....	Fidascal.....	Fideltar.
<b>96</b>	5.769	Ficlinat.....	Ficrotus.....	Fidatise.....	Fidendos.
<b>108</b>	5.128	Ficomast.....	Ficrudat.....	Fidattic.....	Fidicer.
<b>120</b>	4.616	Ficotomi.....	Fidame.....	Fideaux.....	Fidimel.

**Table Showing the Number of Square Feet Necessary to Cover a Square of 100 Square Feet of Surface.**

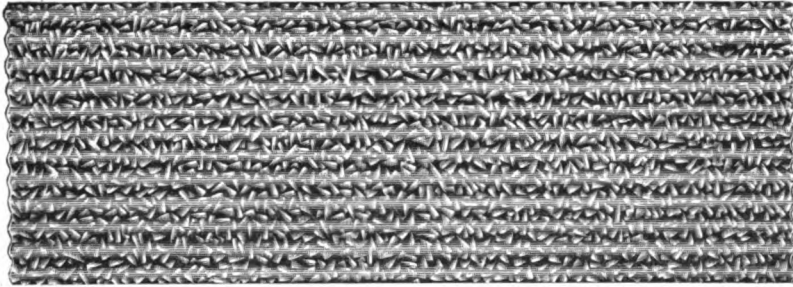
The table is based on using ninety-six inch sheets. When longer or shorter sheets are used the number of square feet will vary slightly.

Allowing for side lap of one corrugation:

Allowing for end lap.....	1 inch	2 inches	3 inches	4 inches	5 inches	6 inches
Square feet.....	110	111	112	113	114	115

**CORRUGATED ROOFING.**

GALVANIZED STEEL.



6 to 10 feet long, 27 inches wide.

Twenty-seven inches wide after corrugating. Two and five-eighths inch corrugations.

Allowing for lap of one corrugation, iron lays twenty-four inches to the weather.

Numbers.....	<b>22</b>	<b>24</b>	<b>26</b>	<b>27</b>	<b>28</b>
Weight per square, lbs.....	152	124	98	91	85
Per pound .....	\$.....	.....	.....	.....	.....

**Table Showing Number of Sheets in a Square, and Code Words.**

Gauges.		<b>22</b>	<b>24</b>	<b>26</b>	<b>27</b>	<b>28</b>
Length of Sheets, Inches.	Number of Sheets to a Square.	Code Word.	Code Word.	Code Word.	Code Word.	Code Word.
<b>72</b>	7.692	Fidintros .....	Fiducer .....	Fiefturn.....	Fienerlo .....	Fierbach.
<b>84</b>	6.593	Fidiplas .....	Fiductis .....	Fiefwall.....	Fienstag.....	Fierecto.
<b>96</b>	5.769	Fidituro .....	Fiduncal .....	Fielento .....	Fiepert .....	Fierenet.
<b>108</b>	5.128	Fidonum.....	Fiduxer.....	Fiemite .....	Fiepsel .....	Fierenler.
<b>120</b>	4.616	Fidrimit .....	Fiefstall.....	Fienend.....	Fierbaar .....	Fieresift.

**H. M. & S. PLAIN RIDGE CAP.**

PAINTED.



Code.....	Fieretcal	Fiergard
Size, inches.....	7½x7½	7½x7½
Gauge of iron .....	24	26
Weight per foot, lbs.....	1.25	1.10
Per foot.....	\$0.28	.22

**H. M. & S. PLAIN RIDGE CAP.**

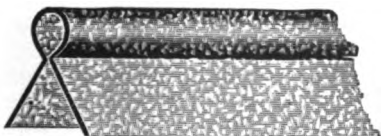
GALVANIZED.

Code .....	Fiergraph	Fiermen	Fieront	Fiersort	Fierville	Fiervorm	Fiesante	Fieserhal
Size, inches .....	<b>4x4</b>	<b>6x6</b>	<b>7½x7½</b>	<b>12x12</b>	<b>4x4</b>	<b>6x6</b>	<b>7½x7½</b>	<b>12x12</b>
Gauge of iron .....	24	24	24	24	26	26	26	26
Weight per foot, lbs.....	.67	1.00	1.25	2.00	.60	.88	1.10	1.75
Per foot.....	\$0.18	.26	.30	.48	.16	.22	.28	.44

Made in sections six feet long.

**H. M. & S. FANCY RIDGE CAP.**

GALVANIZED.



Code .....	Fiesmalk	Fiespite
Size, inches.....	<b>8x8</b>	<b>8x8</b>
Gauge of iron .....	24	26
Weight per foot, lbs.....	1.83	1.60
Per foot.....	\$0.54	.46

Made in sections six feet long.

Any size, style or weight ridge cap made to order.

**U. S. STANDARD GAUGE.****For Sheet and Plate Iron and Steel.**

Approved, March 3, 1893.

(Copy)

[Public—No. 137.]

An act establishing a standard gauge for sheet and plate iron and steel.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,* That for the purpose of securing uniformity the following is established as the only standard gauge for sheet and plate iron and steel in the United States of America, namely :

Number of Gauge.	Approximate Thickness in Fractions of an Inch.	Approximate Thickness in Decimal Parts of an Inch.	Weight per Square Foot in Ounces Avoirdupois.	Weight per Square Foot in Pounds Avoirdupois.
0000000	$\frac{1}{2}$	.5	320	20.00
000000	$\frac{1}{5}$	.46875	300	18.75
00000	$\frac{7}{32}$	.4375	280	17.50
0000	$\frac{1}{4}$	.40625	260	16.25
000	$\frac{3}{8}$	.375	240	15.
00	$\frac{1}{2}$	.34375	220	13.75
0	$\frac{5}{16}$	.3125	200	12.50
1	$\frac{3}{8}$	.28125	180	11.25
2	$\frac{1}{2}$	.265625	170	10.625
3	$\frac{5}{8}$	.25	160	10.
4	$\frac{3}{4}$	.234375	150	9.375
5	$\frac{7}{8}$	.21875	140	8.75
6	$\frac{1}{2}$	.203125	130	8.125
7	$\frac{3}{4}$	.1875	120	7.5
8	$\frac{1}{2}$	.171875	110	6.875
9	$\frac{5}{8}$	.15625	100	6.25
10	$\frac{3}{4}$	.140625	90	5.625
11	$\frac{7}{8}$	.125	80	5.
12	$\frac{1}{2}$	.109375	70	4.375
13	$\frac{3}{4}$	.09375	60	3.75
14	$\frac{5}{8}$	.078125	50	3.125
15	$\frac{3}{4}$	.0703125	45	2.8125
16	$\frac{7}{8}$	.0625	40	2.5
17	$\frac{1}{2}$	.05625	36	2.25
18	$\frac{5}{8}$	.05	32	2.
19	$\frac{3}{4}$	.04375	28	1.75
20	$\frac{7}{8}$	.0375	24	1.50
21	$\frac{1}{2}$	.034375	22	1.375
22	$\frac{3}{4}$	.03125	20	1.25
23	$\frac{5}{8}$	.028125	18	1.125
24	$\frac{3}{4}$	.025	16	1.
25	$\frac{7}{8}$	.021875	14	.875
26	$\frac{1}{2}$	.01875	12	.75
27	$\frac{3}{4}$	.0171875	11	.6875
28	$\frac{5}{8}$	.015625	10	.625
29	$\frac{3}{4}$	.0140625	9	.5625
30	$\frac{7}{8}$	.0125	8	.5
31	$\frac{1}{2}$	.0109375	7	.4375
32	$\frac{3}{4}$	.01015625	6 $\frac{1}{2}$	.40625
33	$\frac{5}{8}$	.009375	6	.375
34	$\frac{3}{4}$	.00859375	5 $\frac{1}{2}$	.34375
35	$\frac{7}{8}$	.0078125	5	.3125
36	$\frac{1}{2}$	.00703125	4 $\frac{1}{2}$	.28125
37	$\frac{3}{4}$	.006640625	4 $\frac{1}{4}$	.265625
38	$\frac{5}{8}$	.00625	4	.25

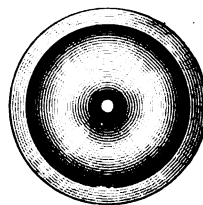
And on and after July first, eighteen hundred and ninety-three, the same and no other shall be used in determining duties and taxes levied by the United States of America on sheet and plate iron and steel. But this act shall not be construed to increase duties upon any articles which may be imported.

Sec. 2. That the Secretary of the Treasury is authorized and required to prepare suitable standards in accordance herewith.

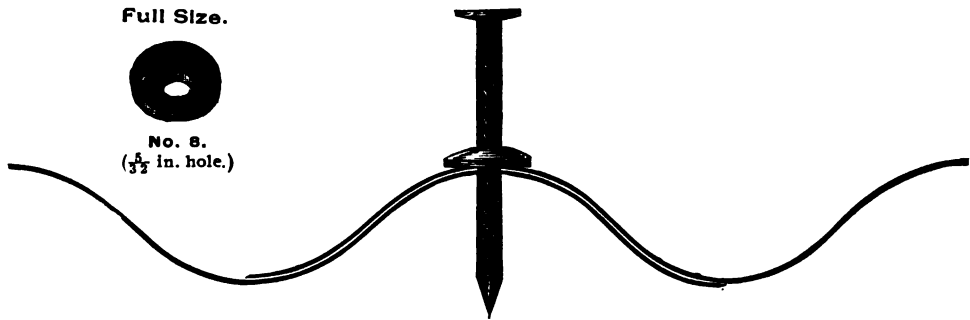
Sec. 3. That in the practical use and application of the standard gauge hereby established a variation of two and one-half per cent either way may be allowed.

**TIN NAIL HEADS.**

Code..... Fiestrus  
Diameter, inch..... 1  
Number to lb..... 414  
Per pound..... \$0.20



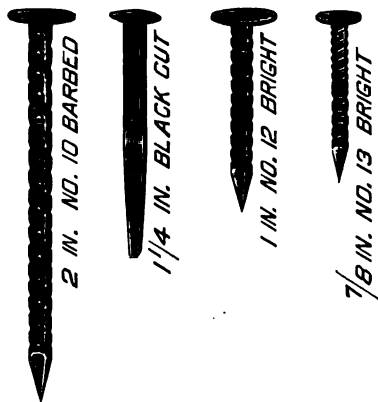
# LEAD WASHERS.



Code .....	Fiespitris
Number.....	8
Size, inch .....	$\frac{1}{2}$
Number to lb.....	325
Per pound.....	\$0.44

One pound will lay three squares. Twenty-five pounds in a case.

# ROOFING NAILS.



BRIGHT BARBED.

Code.....	Fietare	Fietator	Fieterde
Size, inches.....	$\frac{3}{8}$	1	2
Wire gauge.....	13	12	10
Number to a pound.....	415	384	124
Per pound .....	\$0.12	.11	.11

Code.....	Fietetico	Fieveg	Fievenn	Fievenpa	Fievenro
Size, inches.....	2	1	1 1/4	1	1 1/4
Style.....	Galv. Barbed	Blk. Cut	Blk. Cut	Tin'd Cut	Tin'd Cut
Number to a pound.....	115	632	464	632	464
Per pound.....	\$0.13	.10	.12	.....	.....

One hundred pounds in a keg.

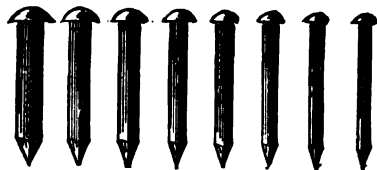
**ESCUTCHEON PINS.**

BRASS.

Code.....	Fiexide	Fiexmado
Inch.....	$\frac{3}{4}$	$\frac{7}{8}$
Numbers.....	12	12
Per pound.....	\$0.73	0.72

Code.....	Fiezmarara	Fiezmesin	Figamou	Figastric	Figenesi
Inch.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Numbers.....	14	14	14	14	14
Per pound.....	\$0.77	.76	.75	.74	.73

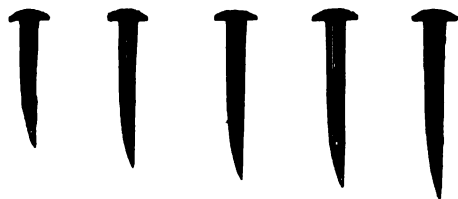
One pound in a box.

**TINNED OVAL HEAD TACKS.**

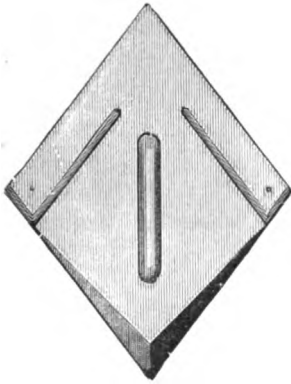
Code.....	Figenism	Figentiar	Figerable
Ounces.....	8	10	12
Length, inch.....	$\frac{7}{16}$	$1\frac{1}{16}$	$1\frac{1}{8}$
Per dozen papers.....	\$1.10	1.30	1.50

Code.....	Figeranto	Figerendum	Figerido
Ounces.....	14	16	18
Length, inch.....	$1\frac{3}{16}$	$1\frac{1}{2}$	$1\frac{4}{16}$
Per dozen papers.....	\$1.80	2.00	2.20

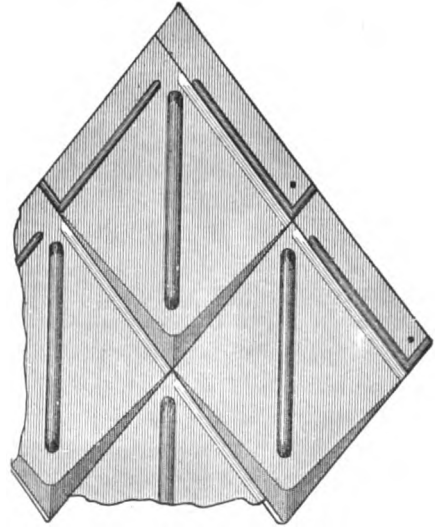
One dozen papers in a package.





**THORN'S PATENT METALLIC ROOFING TILES.**

6 x 6 or 9 x 9 Diamond Tile with flange and groove to lock.



Section of 6 x 6 or 9 x 9 Diamond Tile on Roof.

**THE DIAMOND PATTERN.**

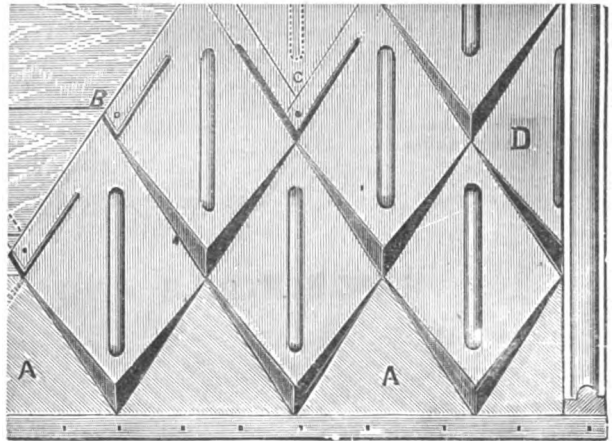
The Diamond Pattern Tile has met with unbounded success. These tiles make an artistic and handsome roof covering—using the 6 x 6 for curved or straight Mansards, Gables, Bulks, Window Hoods, Bay Windows, Steep Roofs, Porches, Towers and Dome-shaped Structures; and the 9 x 9 for Roofing, Siding and also on Towers, etc.

These tiles all have the patent groove and flange side lock, rendering it impossible for the lower point of tile to warp or raise up. All nails are covered by adjoining tile.

Best IC charcoal tin. Painted both sides.

**APPEARANCE OF THORN'S DIAMOND TILES ON ROOF.**

These tiles are not like the ordinary metallic shingle but, architecturally speaking, they are far ahead of anything in the metal line, and the first and only metal shingle or tile made showing a thickened edge, and all architects endorse them.



Section of Roof covered by Diamond Pattern.

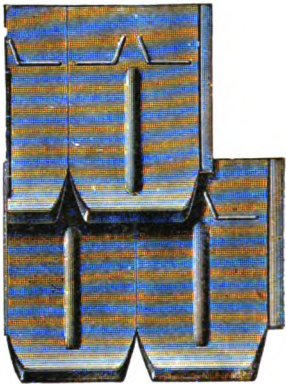
Code .....	Figerimo
Size, inches .....	<b>6 x 6</b>
Tiles, per square.....	377
Weight, per square, lbs.....	100
Per square.....	\$.....
Code .....	Figerion
Size, inches.....	<b>9 x 9</b>
Tiles per square.....	180
Weight, per square, lbs.....	110
Per square.....	\$.....

Packed one or one-half square in case.

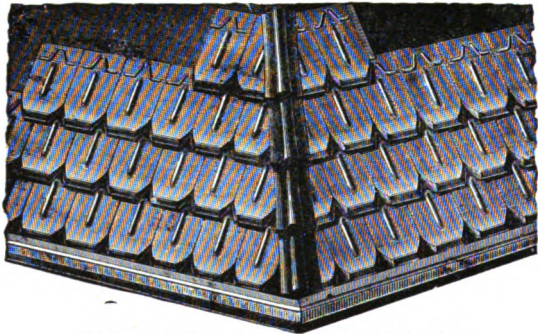
THORN'S SQUARE-NOSE TILES.

VERY UNIQUE. THE LATEST OUT.

This cut represents the latest design of roofing tiles (the Square-Nose tile). It has been highly complimented by the architects and trade generally, and is certainly a handsome tile. Having the patent spring side-lock, it makes a secure roofing or siding plate suitable for any building, and the effect of it on a building is very fine. Architects who specify for this tile will be pleased with it, especially for large roof or siding—they show 8x9 on the roof.



Square-Nose Tile.



Section of roof covered with Square-Nose Tiles.

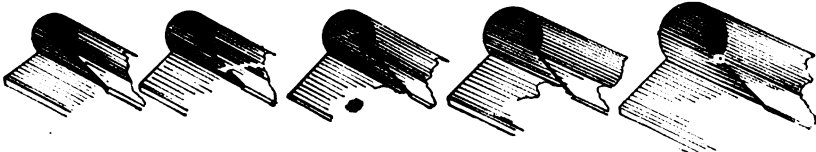
Best 1C Charcoal Tin. Painted both sides.

Code .....	Figerissit
Size, inches .....	8x9
Tiles per square.....	194
Weight per square, lbs.....	101
Per square.....	\$.....

Packed one or one-half square in a case.

RIDGE ROLLS AND ANGLE BEADS.

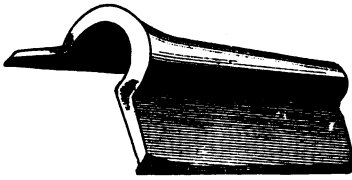
NOT PAINTED.



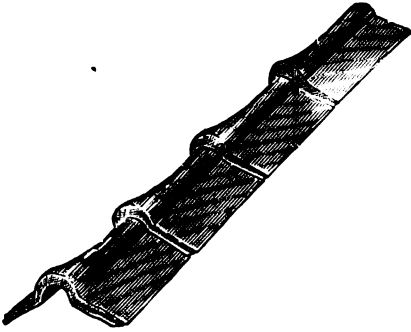
GALVANIZED IRON.

Code .....	Figeritor	Figerivam	Figerivate	Figerive	Figeresser
Size bead, inches.....	1½	2	2½	3	3½
Flange, inches.....	2	2½	3	3½	3½
Per foot.....	\$.....	.....	.....	.....	.....

Made in six, seven and eight-foot lengths.



One Section of Patent Hip Roll.



Four Sections of Patent Hip Roll.

## THORN'S PATENT HIP ROLLS.

These Rolls were invented and manufactured to fill a want that has been felt ever since Thorn's Roofing Tiles were put on the market, as something was needed on the hips to add to the effect produced by our patent tiles. That this want has been fully supplied we think is shown by the accompanying cuts, Nos. 12 and 13.

The Hip Roll (patented September 20, 1887) is made of best quality zinc in sections from 10 to 12 inches in length and is constructed in such a manner that one section fits over the other and can be lapped to show from 5 to 11 inches to the weather, to suit the courses of tiles on the roof, as they are usually laid to lap one joint to every row of tiles; this, however, is a matter of choice. The thickened edge of this hip roll is raised seven-eighths of an inch and thoroughly represents terra cotta at a much lower price.

Can be used on slate roofs with a pleasing effect.

Best quality Zinc. Painted both sides.

Code .....	Figessim	Figestad	Figestibly	Figestion
Number .....	1	2	3	4
Size roll, inches .....	1	1½	1½	3½
Inches to weather .....	8	9	10	11
Per foot.....	\$.....	.....	.....	.....

Thorn's tiles, etc., to be fastened with one-inch No. 13 barbed wire nails.

Thorn's tiles, etc., are shipped as iron roofing at fourth-class rates.

Full printed instructions for putting on tile packed in each case.

Tile catalogue will be mailed on application.

**H. M. & S. CALVANIZED CUTTERING OR EAVES TROUGH.**

PLAIN BEADED. IRON NO. 26 GAUGE.

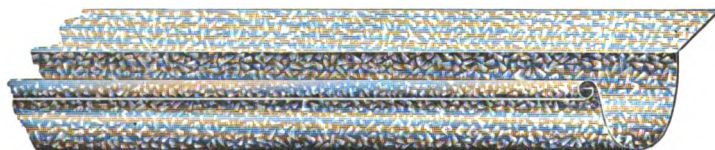


Code .....	Figestirl	Figestive	Figestom	Figestur
Size, inches .....	4	5	6	8
Per foot.....	\$0.17 1/2	.21	.23	.....
Weight per 100 feet, lbs.....	105	128	157	203
Shipping measurement per 100 feet, cubic feet.....	5	5 2/3	6 1/2	9 1/3

Made in six, seven and eight-foot lengths. Any size, style or weight made to order.

**H. M. & S. CALVANIZED CUTTERING OR EAVES TROUGH.**

BEADED WITH FLANGE. IRON NO. 26 GAUGE.



Code .....	Figgably	Figitabul	Figitalic	Figitanos
Size, inches .....	4	5	6	8
Per foot.....	\$.....	.....	.....	.....
Weight per 100 feet, lbs.....	135	165	195	204
Shipping measurement per 100 feet, cubic feet.....	7 5/8	10 1/8	12	14 5/8

Made in six, seven and eight-foot lengths. Any size, style or weight made to order.

**IMPERIAL CUTTER HANGERS.**

WITH RODS. FOR FIVE-EIGHTHS BEAD.

Code .....	Figitate
Size, inches .....	6
Per gross .....	\$.....
Weight per gross, lbs.....	47
Tongs to apply Hangers, each.....	\$.....



**EAVE TROUGH MITERS.**

INSIDE CORNER. GALVANIZED IRON. PLAIN BEADED.

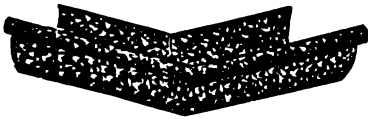


Code.....	Figitatear	Figitatebo	Figitated	Figitateke
Numbers .....	<b>41</b>	<b>51</b>	<b>61</b>	<b>81</b>
Inches.....	4	5	6	8
Each.....	\$.....	.....	.....	.....
Weight each, lbs.....	1	1½	1¾	.....

Any size, style or weight made to order.

**EAVE TROUGH MITERS.**

OUTSIDE CORNER. GALVANIZED IRON. PLAIN BEADED.



Code.....	Figitatell	Figitatep	Figitaters	Figitatic
Numbers .....	<b>40</b>	<b>50</b>	<b>60</b>	<b>80</b>
Inches.....	4	5	6	8
Each.....	\$.....	.....	.....	.....
Weight each, lbs.....	1	1½	1¾	.....

Any size, style or weight made to order.

**EAVE TROUGH OUTLETS.**

GALVANIZED IRON.



Code.....	Figitatide	Figitatif	Figitatie	Figitatiko
Inches.....	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>
Each.....	\$.....	.....	.....	.....
Weight each, lbs.....	.....	.....	.....	.....

Any size, style or weight made to order.

**EAVE TROUGH ENDS WITH OUTLETS.**

GALVANIZED IRON.

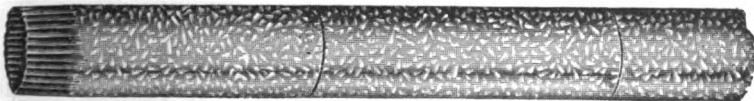


Code.....	Figitatils	Figitatom	Figitatoni	Figitatus
Inches.....	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>
Outlets, inches.....	2	3	4	6
Each.....	\$.....	.....	.....	.....
Weight each, lbs.....	.....	.....	.....	.....

Any size, style or weight made to order.

**H. M. & S. GALVANIZED CONDUCTOR PIPE.**

STRAIGHT SEAM. SOLDERED.



Code .....	Figitavan	Figitello	Figitifer	Figitino	Figitorum
Inches .....	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Gauge of iron .....	28	27	27	27	27
Per foot.....	\$.....	.....	.....	.....	.....
Weight per 100 feet, lbs.. .....	62	74	99	121	150
Shipping measurements per 100 feet, cubic feet.....	7½	13	20½	29¾	40

Made in seven and one-half foot lengths. Any size or weight made to order.

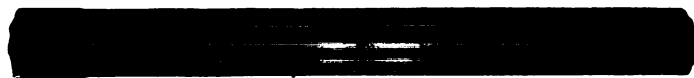
**GALVANIZED SPIRAL CONDUCTOR PIPE.**

Code .....	Figladiar	Figlifor	Figloss	Fignabil	Fignades	Fignan.l	Fignares	Fignaturo
Inches .....	<b>1</b>	<b>1½</b>	<b>2</b>	<b>2½</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Per foot.....	\$0.08	.05	.06	.08½	.10	.13½	.30	.38
Weight per 100 feet, lbs.....	15	27	36	48	60	80	90	120
Shipping measurements per 100 feet, cu. ft..	2	3¼	5¼	7½	10½	16¾	29½	39

The 1-inch is straight seamed. The 1, 1½, 2, 2½, 3 and 4-inch made in 6-foot lengths.  
The 5 and 6-inch made in 10-foot lengths.

**GALVANIZED ROUND CORRUGATED EXPANDING CONDUCTOR.**

IRON. NO. 28 GAUGE.



Code.....	Fignidade	Fignitair	Fignitate	Figniteck	Fignitface
Inches.....	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Per foot .....	\$0.13	.15	.20	.25	.30
Weight per 100 feet, lbs.....	45	55	84	100	125
Shipping measurements per 100 feet, cubic feet .....	5½	10	16	29½	39

Made in 10-foot lengths.

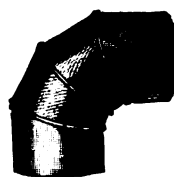
**ADJUSTABLE CONDUCTOR ELBOWS.**

GALVANIZED.

Code.....	Fignitoso	Fignotion	Figozzam	Figozzarl
Inches.....	<b>1½</b>	<b>2</b>	<b>2½</b>	<b>3</b>
Each .....	\$0.20	.20	.25	.30
Wt. per doz., lbs...	2¼	3	4¼	5½

Code.....	Figozzera	Figradarli	Figradas
Inches .....	<b>4</b>	<b>5</b>	<b>6</b>
Each .....	\$0.40	.55	.70
Weight per doz., lbs.....	8	11	15

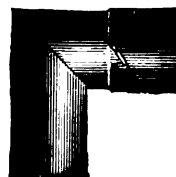
**SQUARE CONDUCTOR ELBOWS.**

GALVANIZED.

Code.....	Figradere	Figradolli	Figrappol	Figrassan
Inches .....	<b>1</b>	<b>1½</b>	<b>2</b>	<b>2½</b>
Each.....	\$0.10	.18	.18	.22
Wt. per doz., lbs...	.....	.....	.....	4

Code.....	Figrederti	Figredimo	Figredit	Figressa
Inches .....	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Each.....	\$0.24	.36	.50	.64
Wt. per doz., lbs...	6	9	.....	.....



## SINGLE HUB CONDUCTOR COUPLINGS.

GALVANIZED.



Code.....	Figrossat	Figrumass	Figrumere
Inches .....	<b>1</b>	<b>1½</b>	<b>2</b>
Each .....	\$0.10	.18	.18
Code.....	Figument	Figuisam	Figuisoll
Inches .....	<b>2½</b>	<b>3</b>	<b>4</b>
Each .....	\$0.22	.24	.36

## DOUBLE HUB CONDUCTOR COUPLINGS.

GALVANIZED.



Code... Fihalen	Fikabe	Fikamali	Fikmaal	Filabar	Filabend
Inches. <b>1</b>	<b>1½</b>	<b>2</b>	<b>2½</b>	<b>3</b>	<b>4</b>
Each ... \$0.10	.18	.18	.22	.24	.36

## CORRUGATED EXPANDING CONDUCTOR ELBOWS.

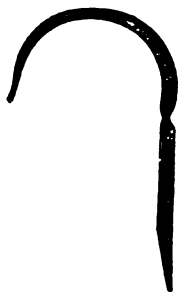
GALVANIZED. ROUND.



Code.....	Filabido	Filabiter	Filabunto	Filabunxo	Filabunzo
Inches .....	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Each .....	\$0.25	.30	.40	.45	.50
Weight per doz., lbs.	2½	5½	8	11	15

## CONDUCTOR PIPE HOOKS.

GALVANIZED. STEEL.



Code.....	Filacando	Filacassi	Filacerad	Filacfast
Inches .....	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Shank, inches.....	<b>3</b>	<b>3½</b>	<b>4</b>	<b>4½</b>
Each .....	\$0.10	.12	.15	.20
Weight per 100, lbs...	12	24	41	61

## H. M. & S. CONDUCTOR HEADS.

GALVANIZED.



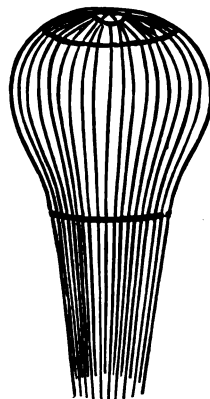
Code.....	Filacion	Filamass	Filaminat	Filancian
Outlet, inches.....	<b>1½</b>	<b>2</b>	<b>2½</b>	<b>3</b>
Top, inches.....	<b>6x6</b>	<b>6x6</b>	<b>6½x6½</b>	<b>7x7</b>
Height, inches.....	<b>6½</b>	<b>6½</b>	<b>7</b>	<b>7</b>
Per dozen.....	\$6.00	6.00	6.00	7.00
Wt. per doz., lbs...	14	15	18	20
Code .....	Filapidas	Filapkast	Filappol	Filapsion
Outlet, inches.....	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
Top, inches.....	<b>8½x8½</b>	<b>9½x9½</b>	<b>11x11</b>	<b>11½x11½</b>
Height, inches.....	<b>8</b>	<b>9</b>	<b>10½</b>	<b>11½</b>
Per dozen.....	\$8.00	12.00	16.00	18.00
Weight per doz., lbs....	26	37	48	54

## WIRE CONDUCTOR STRAINERS.

GALVANIZED.

Code.....	Filapsole	Filapsura	Filapswod	Filargime
Inches.....	1½	2	2½	3
Per dozen .....	\$2.25	2.25	3.38	3.38
Wt per doz., lbs...	1	1½	2	2
Code.....	Filargirt	Filatata	Filatamis	
Inches.....	4	5	6	
Per dozen.....	\$4.50	5.25	6.50	
Wt per doz., lbs.....	4	6	8	

One gross in a barrel.



## STANDARD SPEAKING TUBES.

LOCK SEAM.

Code.....	Filatandi	Filatative
Style .....	Tin	Galvanized
Inch.....	1	1
Per foot.....	\$0.2½	.....
Weight per 100 feet, lbs.....	14	15
Shipping measurements per crate, cubic feet.....	40	.....

Made in 5-foot lengths. 100 feet in a bundle.  
5000 feet in a crate.



## ROUND SPEAKING TUBE ELBOWS.

TIN.

Code.....	Filation
Inch.....	1
Each .....	\$0.06½
Weight per 100, lbs.....	4½

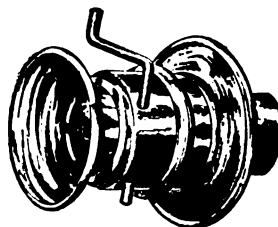


## SPEAKING TUBE WHISTLES.

EXTRA STRONG. NICKEL-PLATED.

Code.....	Filatore
Number.....	157
Style .....	Without Indicator
Per dozen .....	\$13.00
Weight per dozen, lbs.....	2

One dozen in a box.

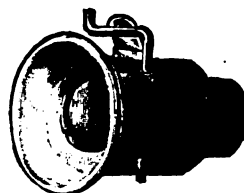


## SPEAKING TUBE WHISTLES.

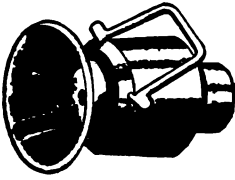
PORCELAIN MOUTH PIECE. JAPANNED BODY.

Code .....	Filatorem	Filaudam
Numbers.....	158	159
Style.....	With Indicator	Without Indicator
Per dozen.....	\$4.00	4.00
Weight per dozen, lbs.....	2	2

One dozen in a box.

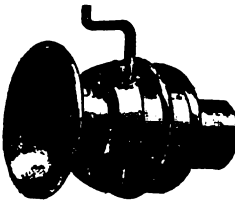




**SPEAKING TUBE WHISTLES.**

NICKEL-PLATED. NO SPRINGS.

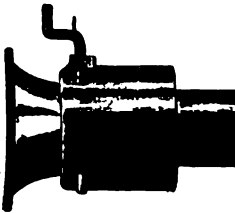
Code.....	Filaudo	Filectare
Numbers.....	1158 ½	1159 ½
Style.....	With Indicator	Without Indicator
Per dozen.....	\$7.00	6.00
Weight per dozen, lbs.....	1 ¼	1 ¼
One dozen in a box.		

**SPEAKING TUBE WHISTLES.**

NICKEL-PLATED. BEVELED PATTERN.

The best whistle for flexible tubes.

Code.....	Filectorit
Number.....	152
Style.....	Without Indicator
Per dozen.....	\$12.00
Weight per dozen, lbs.....	1 ¼
One dozen in a box.	

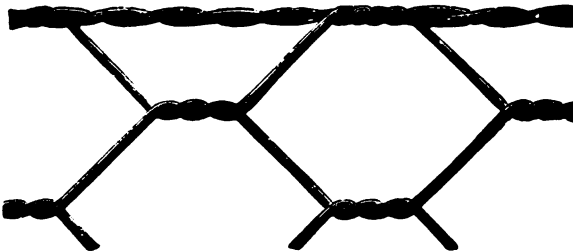
**SPEAKING TUBE WHISTLES.**

NICKEL-PLATED BRASS.

Code.....	Filemmato	Fileltican
Numbers.....	158 ½	159 ½
Style.....	With Indicator	Without Indicator
Per dozen.....	\$8.00	6.00
Weight per dozen, lbs.....	1 ¼	1 ¼
One dozen in a box.		

**CALVANIZED STEEL WIRE POULTRY NETTING.**

THREE STRANDS. DOUBLE SELVEDGE. GALVANIZED BEFORE WEAVING.



Size of mesh, inches.....	3	3	3	2	2	2	2	2
Gauge of wire.....	14	16	18	14	16	18	19	20
Per square foot.....	\$0.06 ¼	.03 ¾	.02 ¼	.09 ½	.05 ½	.03 ¼	.02 ½	.02 ¼
Size of mesh, inches.....	1 ½	1 ½	1 ½	1	1	1	1	¾
Gauge of wire.....	18	19	20	18	19	20	20	20
Per square foot.....	\$0.04 ½	.03 ½	.03	.07 ¾	.06 ½	.05 ½	.05 ½	.09

150 lineal feet in a bale.

In ordering give width, size of mesh and gauge of wire.

**CALVANIZED STEEL WIRE POULTRY NETTING.**

Table showing stock widths in inches, weight per bale in pounds, and code words.

Width, Inches.	Three-Inch Mesh.					
	14 Gauge.		16 Gauge.		18 Gauge.	
	Code Word.	Weight per Bale, Lbs.	Code Word.	Weight per Bale, Lbs.	Code Word.	Weight per Bale, Lbs.
<b>12</b>	.....	.....	.....	.....	.....	.....
<b>18</b>	.....	.....	.....	.....	.....	.....
<b>24</b>	.....	.....	.....	.....	.....	.....
<b>30</b>	Filezion.....	52	Filigamer.....	38	Filochero.....	22
<b>36</b>	Filidendo.....	60	Filigentor.....	41	Filochit.....	27
<b>48</b>	Filidimos.....	75	Filigenzi.....	53	Filofore.....	30
<b>60</b>	Filidos.....	90	Filimentum.....	63	Filomband.....	35
<b>72</b>	.....	.....	Filischer.....	72	Filombate.....	45
<b>84</b>	.....	.....	Filiturat.....	90	Filombera.....	50
<b>96</b>	.....	.....	Fillenio.....	103	Filorica.....	62
	.....	.....	Filobura.....	118	Filucebin.....	69

Width, Inches.	Two-Inch Mesh.							
	14 Gauge.		16 Gauge.		18 Gauge.		19 Gauge.	
	Code Word.	Weight per Bale, Lbs.	Code Word.	Weight per Bale, Lbs.	Code Word.	Weight per Bale, Lbs.	Code Word.	Weight per Bale, Lbs.
<b>12</b>	.....	.....	.....	.....	.....	.....	.....	.....
<b>18</b>	.....	.....	.....	.....	.....	.....	.....	.....
<b>24</b>	Filucidab.....	68	Filuenti.....	48	Filuxera.....	23	Fimanase.....	14
<b>30</b>	Filucido.....	96	Filuerem.....	62	Fimacheri.....	29	Fimanach.....	19
<b>36</b>	Filucione.....	117	Filungher.....	76	Fimadesis.....	34	Fimbly.....	24
<b>48</b>	Filudorum.....	148	Filungas.....	96	Fimaduro.....	42	Fimenaron.....	28
<b>60</b>	.....	.....	Filungher.....	96	Fimagramo.....	54	Fimenava.....	34
<b>72</b>	.....	.....	Filuteros.....	110	Fimagrand.....	69	Fimenso.....	44
<b>84</b>	.....	.....	Filuviano.....	133	Fimagrato.....	74	Fimensite.....	53
<b>96</b>	.....	.....	.....	.....	Fimanac.....	87	Fimensori.....	63
	.....	.....	.....	.....	Fimanado.....	100	Fimentich.....	75
	.....	.....	.....	.....	.....	.....	Fimered.....	85

Width, Inches.	Two-Inch Mesh.		1 1/2-Inch Mesh.					
	20 Gauge.		18 Gauge.		19 Gauge.		20 Gauge.	
	Code Word.	Weight per Bale, Lbs.	Code Word.	Weight per Bale, Lbs.	Code Word.	Weight per Bale, Lbs.	Code Word.	Weight per Bale, Lbs.
<b>12</b>	Fimergold.....	10	.....	.....	Fimotor.....	.....	Finasavam.....	14 1/2
<b>18</b>	Fimestico.....	13	.....	.....	Fimoverit.....	.....	Finasera.....	18
<b>24</b>	Fimetando.....	16 1/2	Fimitida.....	41	Finamar.....	.....	Finasot.....	26
<b>30</b>	Fimetopic.....	20	Fimitidom.....	.....	Finamico.....	.....	Finasse.....	30
<b>36</b>	Fimezza.....	24	Fimocarp.....	53	Finarche.....	.....	Finassion.....	34
<b>48</b>	Fimicamos.....	30	Fimona.....	64	Finardic.....	.....	Finastia.....	39
<b>60</b>	Fimicote.....	36	Fimoran.....	87	Finasamo.....	.....	Finastico.....	47
<b>72</b>	Fimidiar.....	42	Fimorphie.....	109	Finasaron.....	.....	Finastis.....	60
<b>84</b>	Fimision.....	51	.....	.....	.....	.....	.....	.....
<b>96</b>	Fimissor.....	58	.....	.....	.....	.....	.....	.....

**CALVANIZED STEEL WIRE POULTRY NETTING.**

Table showing stock widths in inches, weight per bale in pounds, and code words.

Width, Inches.	One-Inch Mesh.				$\frac{3}{4}$ -Inch Mesh.	
	18 Gauge.		20 Gauge.		20 Gauge.	
	Code Word.	Weight per Bale, Lbs.	Code Word.	Weight per Bale, Lbs.	Code Word.	Weight per Bale, Lbs.
12	.....	.....	Findymos.....	.....	Finetica.....	.....
18	.....	.....	Finemat.....	.....	Fingban.....	.....
24	Finderlin.....	.....	Finematur.....	.....	Fingend.....	44
30	Finderlot.....	.....	Finemura.....	.....	Finghoff.....	.....
36	Findone.....	.....	Finerade.....	.....	Fingkale.....	64
48	Findymar.....	.....	Fineraler.....	.....	Fingnam.....	85
60	.....	.....	Fineros.....	.....	.....	.....
72	.....	.....	Fineruel.....	.....	.....	.....
84	.....	.....	.....	.....	.....	.....
96	.....	.....	.....	.....	.....	.....

**POULTRY NETTING STAPLES.**

GALVANIZED STEEL WIRE..

Code..... Fingnest Fingnote  
 Inch.....  $\frac{3}{4}$   $\frac{1}{2}$   
 Per pound..... \$.....

In one or five-pound boxes or 100-pound kegs.

**WIRE CLOTH.**FOR WINDOW AND DOOR SCREENS. DOUBLE  
SELVEDGE. PAINTED GREEN.

18 to 48 inches wide.

Code..... Fingrode  
 Number mesh..... 12  
 Gauge of wire..... 33  
 Per square foot..... \$.....

GALVANIZED.

18 to 40 inches wide.

Code..... Fingstir Fingtal Fingwarte Finidad  
 Number mesh..... 12 12 14 16  
 Gauge of wire..... 27 28 33 33  
 Per square foot..... \$.....

50 and 100 lineal feet in a roll.

**WIRE CLOTH.**

AVERAGE WEIGHT PER CASE OF SIX ROLLS.

Inches wide.....	18	20	22	24	26	28	30	32	34	36	38	40
Weight, pounds.....	105	120	127	137	150	158	163	180	197	200	218	236

Table showing number of square feet in wire cloth of various widths and lengths.

Length.	18	20	22	24	26	28	30	32	34	36	38	40
	Square Feet.	Square Feet.	Square Feet.	Square Feet.	Square Feet.	Square Feet.	Square Feet.	Square Feet.	Square Feet.	Square Feet.	Square Feet.	Square Feet.
2 inches .....	$\frac{1}{4}$	$\frac{5}{18}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{7}{18}$	$\frac{5}{12}$	$\frac{4}{9}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{6}$
3 " .....	$\frac{3}{8}$	$\frac{5}{9}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{2}{3}$	$\frac{5}{8}$	$\frac{2}{3}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{5}{6}$
4 " .....	$\frac{1}{2}$	$\frac{2}{3}$	$\frac{2}{3}$	$\frac{2}{3}$	$\frac{2}{3}$	$\frac{7}{6}$	$\frac{5}{4}$	$\frac{5}{3}$	1	1	$1\frac{1}{8}$	$1\frac{1}{6}$
5 " .....	$\frac{5}{8}$	$\frac{2}{3}$	$\frac{3}{4}$	$\frac{5}{6}$	$1\frac{1}{6}$	1	$1\frac{1}{4}$	$1\frac{1}{3}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$
6 " .....	$\frac{3}{4}$	$\frac{5}{6}$	$1\frac{1}{12}$	1	$1\frac{1}{12}$	$1\frac{1}{6}$	$1\frac{1}{4}$	$1\frac{1}{3}$	$1\frac{5}{12}$	$1\frac{1}{2}$	$1\frac{7}{12}$	$1\frac{2}{3}$
7 " .....	$\frac{7}{8}$	1	1	$1\frac{1}{6}$	$1\frac{5}{6}$	$1\frac{1}{3}$	$1\frac{1}{2}$	$1\frac{5}{6}$	$1\frac{2}{3}$	$1\frac{3}{4}$	$1\frac{5}{6}$	2
8 " .....	1	$1\frac{1}{9}$	$1\frac{2}{9}$	$1\frac{1}{3}$	$1\frac{4}{9}$	$1\frac{5}{9}$	$1\frac{2}{3}$	$1\frac{7}{9}$	$1\frac{8}{9}$	2	$2\frac{2}{9}$	$2\frac{2}{9}$
9 " .....	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{3}{8}$	$2\frac{1}{2}$
10 " .....	$1\frac{1}{4}$	$1\frac{1}{3}$	$1\frac{1}{2}$	$1\frac{2}{3}$	$1\frac{5}{6}$	2	$2\frac{1}{3}$	$2\frac{2}{3}$	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{2}{3}$	$2\frac{7}{9}$
11 " .....	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{2}{3}$	$1\frac{5}{6}$	2	$2\frac{1}{7}$	$2\frac{1}{3}$	$2\frac{4}{9}$	$2\frac{7}{12}$	$2\frac{3}{4}$	$2\frac{8}{9}$	3
1 foot.....	$1\frac{1}{2}$	$1\frac{2}{3}$	$1\frac{5}{6}$	2	$2\frac{1}{6}$	$2\frac{1}{3}$	$2\frac{1}{2}$	$2\frac{2}{3}$	$2\frac{5}{6}$	3	$3\frac{1}{6}$	$3\frac{1}{3}$
2 feet.....	3	$3\frac{1}{3}$	$3\frac{2}{3}$	4	$4\frac{1}{3}$	$4\frac{2}{3}$	5	$5\frac{1}{3}$	$5\frac{2}{3}$	6	$6\frac{1}{3}$	$6\frac{2}{3}$
3 " .....	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	$6\frac{1}{2}$	7	$7\frac{1}{2}$	8	$8\frac{1}{2}$	9	$9\frac{1}{2}$	10
4 " .....	6	$6\frac{2}{3}$	$7\frac{1}{3}$	8	$8\frac{2}{3}$	$9\frac{1}{3}$	10	$10\frac{2}{3}$	$11\frac{1}{3}$	12	$12\frac{2}{3}$	$13\frac{1}{3}$
5 " .....	$7\frac{1}{2}$	$8\frac{1}{3}$	$9\frac{1}{6}$	10	$10\frac{5}{6}$	$11\frac{2}{3}$	$12\frac{1}{2}$	$13\frac{1}{3}$	$14\frac{1}{6}$	15	$15\frac{5}{6}$	$16\frac{2}{3}$
6 " .....	9	10	11	12	13	14	15	16	17	18	19	20
7 " .....	$10\frac{1}{2}$	$11\frac{2}{3}$	$12\frac{5}{6}$	14	$15\frac{1}{6}$	$16\frac{1}{3}$	$17\frac{1}{2}$	$18\frac{2}{3}$	$19\frac{5}{6}$	21	$22\frac{1}{6}$	$23\frac{1}{3}$
8 " .....	12	$13\frac{1}{3}$	$14\frac{2}{3}$	16	$17\frac{1}{3}$	$18\frac{2}{3}$	20	$21\frac{1}{3}$	$22\frac{2}{3}$	24	$25\frac{1}{3}$	$26\frac{2}{3}$
9 " .....	$13\frac{1}{2}$	15	$16\frac{1}{2}$	18	$19\frac{1}{2}$	21	$22\frac{1}{2}$	24	$25\frac{1}{2}$	27	$28\frac{1}{2}$	30
10 " .....	15	$16\frac{2}{3}$	$18\frac{1}{3}$	20	$21\frac{2}{3}$	$23\frac{1}{3}$	25	$26\frac{2}{3}$	$28\frac{1}{3}$	30	$31\frac{2}{3}$	$33\frac{1}{3}$
20 " .....	30	$33\frac{1}{3}$	$36\frac{2}{3}$	40	$43\frac{1}{3}$	$46\frac{2}{3}$	50	$53\frac{1}{3}$	$56\frac{2}{3}$	60	$63\frac{1}{3}$	$66\frac{2}{3}$
30 " .....	45	50	55	60	65	70	75	80	85	90	95	100
40 " .....	60	$66\frac{2}{3}$	$73\frac{1}{3}$	80	$86\frac{2}{3}$	$93\frac{1}{3}$	100	$106\frac{2}{3}$	$113\frac{1}{3}$	120	$126\frac{2}{3}$	$133\frac{1}{3}$
50 " .....	75	$83\frac{1}{3}$	$91\frac{2}{3}$	100	$108\frac{1}{3}$	$116\frac{2}{3}$	125	$133\frac{1}{3}$	$141\frac{2}{3}$	150	$158\frac{1}{3}$	$166\frac{2}{3}$
100 " .....	150	$166\frac{2}{3}$	$183\frac{1}{3}$	200	$216\frac{2}{3}$	$233\frac{1}{3}$	250	$266\frac{2}{3}$	$283\frac{1}{3}$	300	$316\frac{2}{3}$	$333\frac{1}{3}$

**CHARCOAL BRIGHT AND TERNE PLATES.**

We carry a large and complete stock of all standard sizes and weights of Bright and Terne Plates, also many odd sizes.

Our stock is made from domestic Black Steel Plates, manufactured especially for us. They are more satisfactory than imported Plates, being tougher and more malleable. They are thoroughly and evenly coated.

**PLACER CHARCOAL TIN.**

BRIGHT—GOOD GRADE.



Code.	Trade Term.	Size, Inches.	Sheets in a Box.	Gross Weight, Lbs.	Wire Gauge.	Per Box.
Finigra.....	100-lb.	12x12	225	106	31	\$.....
Finion .....	100-lb.	14x20	112	106	31	.....
Finkelkor .....	100-lb.	20x28	112	210	31	.....
Finobry .....	IC	12x12	225	117	30	.....
Finoccam.....	IC	14x20	112	113	30	.....
Finocand .....	IC	20x28	112	225	30	.....
Finocasse .....	IXL	14x20	112	135	29	.....
Finoccate.....	IXL	20x28	112	268	29	.....
Finochari.....	IX	14x20	112	142	28	.....
Finocorus .....	IX	20x28	112	284	28	.....
Finocrate.....	IXX	14x20	112	162	26½	.....

**BELMONT CHARCOAL TIN.**

BRIGHT—EXTRA GRADE. TISSUE PAPER PACKED.



Code.	Trade Term.	Size, Inches.	Sheets in a Box.	Gross Weight, Lbs.	Wire Gauge.	Per Box.
Finogeta .....	IC	12x12	225	117	30	\$.....
Finoloch .....	IC	14x14	225	160	30	.....
Finomach .....	IC	14x20	112	113	30	.....
Finomene .....	IC	20x28	112	225	30	.....
Finomorph .....	IX	12x12	225	145	28	.....
Finornas .....	IX	14x14	225	200	28	.....
Finosauri .....	IX	14x20	112	142	28	.....
Finosceba.....	IX	16x16	225	260	28	.....
Finoscend .....	IX	20x28	112	285	28	.....
Finoscim .....	IXX	12x12	225	168	26½	.....
Finother.....	IXX	14x14	225	228	26½	.....
Finoverum.....	IXX	14x20	112	163	26½	.....
Finoxoid .....	IXX	20x28	56	164	26½	.....
Fintelamo .....	IXXX	14x20	112	183	25½	.....
Fintelase.....	IXXX	20x28	56	185	25½	.....
Fintenlos .....	IXXXX	14x20	112	204	25	.....
Fintenman.....	IXXXX	20x28	56	205	25	.....

**STERLING CHARCOAL TIN.**

BRIGHT. EXTRA HEAVY COATED.

For Dairy Work. Tissue Paper Packed.

Code.	Trade Term.	Size, Inches.	Sheets in a Box.	Gross Weight, Lbs.	Wire Gauge.	Per Box.
Fintensat .....	<b>IXX</b>	<b>20x28</b>	56	166	26 ½	\$.....
Fintentop .....	<b>IXXX</b>	<b>20x28</b>	56	186	25 ½	.....
Fintenzeg .....	<b>IXXXX</b>	<b>20x28</b>	56	207	25	.....

**LARGE TIN PLATES—  
BEST QUALITY.**

FOR DAIRY WORK.

Code.	Trade Term.	Size, Inches.	Wt. per Sheet, Lbs.	Per Lb.
Finteraro .....	<b>IXXXX</b>	<b>20x60</b>	8	\$.....
Fintornam .....	<b>IXXXX</b>	<b>28x48 ½</b>	9	.....
Fintornos .....	<b>IXXXX</b>	<b>28x66</b>	12 ¼	.....
Finumerab .....	<b>IXXXX</b>	<b>30x72</b>	15	.....
Fiobolar .....	<b>IXXXX</b>	<b>30x84</b>	20	.....
Fiochare .....	<b>IXXXX</b>	<b>36x87</b>	21	.....
Fiocharin .....	<b>IXXXX</b>	<b>40x96</b>	27	.....
Fiocmita .....	<b>IXXXXXXX</b>	<b>28x66</b>	16	.....
Fiodimos .....	<b>IXXXXXXX</b>	<b>40x72</b>	22	.....
Fiodoras .....	<b>IXXXXXXX</b>	<b>40x84</b>	26	.....
Fiogeni .....	<b>IXXXXXXX</b>	<b>40x96</b>	29	.....
Fiogenise .....	<b>IXXXXXXX</b>	<b>30x84</b>	24 ½	.....

**BESSEMER COKE TIN PLATES.**

REGULAR SIZES.

Code.	Trade Term.	Size, Inches.	Sheets in a Box.	Gross Weight, Lbs.	Wire Gauge.	Per Box.
Fiogmita .....	<b>80-lb.</b>	<b>20x28</b>	112	170	33	\$.....
Fiognatus .....	<b>90-lb.</b>	<b>14x20</b>	112	96	32	.....
Fiomphal .....	<b>90-lb.</b>	<b>20x28</b>	112	190	32	.....
Fiopater .....	<b>100-lb.</b>	<b>14x20</b>	112	106	31	.....
Fiophane .....	<b>100-lb.</b>	<b>20x28</b>	112	210	31	.....
Fioptrico .....	<b>1C</b>	<b>14x20</b>	112	113	30	.....
Fioptrism .....	<b>1C</b>	<b>20x28</b>	112	224	30	.....
Fiorchit .....	<b>IX</b>	<b>14x20</b>	112	142	28	.....
Fioretique .....	<b>IX</b>	<b>20x28</b>	112	283	28	.....

**BESSEMER COKE TIN PLATES.**

SQUARE AND ODD SIZES.

Code.	Trade Term.	Size, Inches.	Sheets in Box.	Gross Weight, Lbs.	Wire Gauge.	Per Box.
Fiorthar.....	<b>90-lb.</b>	<b>12x12</b>	225	99	32	\$.....
Fioscodi.....	<b>100-lb.</b>	<b>12x12</b>	225	109	31	.....
Fioscorem.....	<b>100-lb.</b>	<b>10x17</b>	225	129	31	.....
Fioskuro.....	<b>100-lb.</b>	<b>10x20</b>	225	150	31	.....
Fipanaro.....	<b>100-lb.</b>	<b>10x21</b>	225	158	31	.....
Fipante.....	<b>100-lb.</b>	<b>11x22</b>	112	96	31	.....
Fipavam.....	<b>100-lb.</b>	<b>12x17</b>	225	154	31	.....
Fipartenzo.....	<b>100-lb.</b>	<b>12x18</b>	112	87	31	.....
Fipaschel.....	<b>100-lb.</b>	<b>14x14</b>	225	148	31	.....
Fipelamo.....	<b>100-lb.</b>	<b>14x22</b>	112	117	31	.....
Fipelassi.....	<b>100-lb.</b>	<b>15x15</b>	225	170	31	.....
Fipelera.....	<b>100-lb.</b>	<b>15x22</b>	112	125	31	.....
Fipetal.....	<b>100-lb.</b>	<b>16x16</b>	225	194	31	.....
Fipingemo.....	<b>100-lb.</b>	<b>17x17</b>	112	110	31	.....

The terms "Coke" and "Charcoal" originally denoted the grade of iron from which the plates were made but as all American plates are made of Bessemer steel, these terms have lost their original meaning and now signify only the different thicknesses of coating which the plates receive, the Coke plates having the lightest coatings and the Charcoal the heaviest.

**CHARCOAL ROOFING PLATES.****MENLO—OLD PROCESS.**

**MENLO**  
Each sheet stamped: **OLD PROCESS**  
**H. M. & S.**

Very best quality. Made by old palm oil process. Squared. Forty pounds of coating for a box of 20 x 28.

Code.	Trade Term.	Size, Inches.	Sheets in Box.	Gross Weight, Lbs.	Per Box.
Fipinturo.....	<b>I C</b>	<b>14x20</b>	112	125	\$.....
Fiplander.....	<b>I C</b>	<b>20x28</b>	112	250	.....
Fiplarena.....	<b>I X</b>	<b>14x20</b>	112	152	.....
Fiplasic.....	<b>I X</b>	<b>20x28</b>	112	304	.....

**ROYAL—OLD STYLE—RE-DIPPED.**

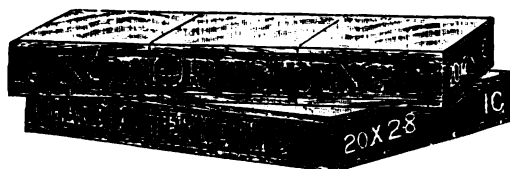
HEAVY COATED. SQUARED.

**ROYAL**  
Each sheet stamped: **OLD STYLE**  
**H. M. & S.**

Code.	Trade Term.	Size, Inches.	Sheets in Box.	Gross Weight, Lbs.	Per Box.
Fiplazon.....	<b>I C</b>	<b>14x20</b>	112	125	\$.....
Fiplectro.....	<b>I C</b>	<b>20x28</b>	112	250	.....

**CHARCOAL ROOFING PLATES.****NON-RUSTING.**

RE-SQUARED AND STAMPED.



Code.	Trade Term.	Size, Inches.	Sheets in Box.	Gross Weight, Lbs.	Per Box.
Fipledant.....	<b>IC</b>	<b>20x28</b>	112	235	\$.....

**BERKELEY.**

GOOD GRADE.

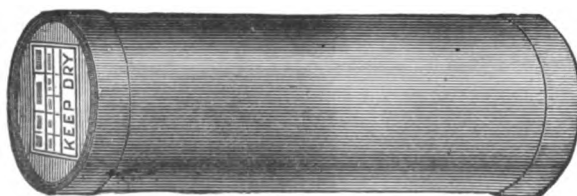


Code.	Trade Term.	Size, Inches.	Sheets in a Box.	Gross Weight, Lbs.	Per Box.
Fiplinth.....	<b>100-lb.</b>	<b>14x20</b>	112	106	\$.....
Fiplochil.....	<b>100-lb.</b>	<b>20x28</b>	112	212	.....

**POMONA.**

GOOD GRADE.

Code.	Trade Term.	Size, Inches.	Sheets in a Box.	Gross Weight, Lbs.	Per Box.
Fiploder.....	<b>IC</b>	<b>14x20</b>	112	113	\$.....
Fiplogeni.....	<b>IC</b>	<b>20x28</b>	112	225	.....
Fiploidi.....	<b>IX</b>	<b>14x20</b>	112	142	.....
Fiplomaro.....	<b>IX</b>	<b>20x28</b>	112	285	.....

**SHEET ZINC.**

36 X 84 INCHES.

Code.	Number.	Weight per Sheet, Lbs.	Weight of Casks in Stock, Lbs.	Per Lb.	Code.	Number.	Weight per Sheet, Lbs.	Weight of Casks in Stock, Lbs.	Per Lb.
Fiplomati.....	<b>4</b>	.....	600	\$.....	Firagnand.....	<b>10</b>	15.75	600, 300, 200, 100	\$.....
Fiplomiter.....	<b>5</b>	.....	600	.....	Firagnate.....	<b>11</b>	18.90	600	.....
Firadase.....	<b>6</b>	.....	600	.....	Firagnera.....	<b>12</b>	22.05	600	.....
Firadavan.....	<b>7</b>	.....	600	.....	Firamast.....	<b>14</b>	28.35	600	.....
Firadere.....	<b>8</b>	12.60	600, 300, 200, 100	.....	Firancher.....	<b>16</b>	35.28	600	.....
Firadicar.....	<b>9</b>	14.07	600, 300, 200, 100	.....	Firandell.....	<b>20</b>	55.02	600	.....

No. 20 is packed flat, eleven sheets in a case.  
Additional charge is made for casks containing less than 600 pounds and for loose sheets.



## 48 X 96 INCHES.

Code.	Number.	Weight per Sheet, Lbs.	Weight of Casks in Stock, Lbs.	Per Lb.	Code.	Number.	Weight per Sheet, Lbs.	Weight of Casks in Stock, Lbs.	Per Lb.
Firazzi.....	7	17	600	\$.....	Firefull.....	11	28	600, 250	\$.....
Fircisla.....	8	19	600	.....	Firemost.....	12	32	600	.....
Firectara.....	9	22	600, 250, 100	.....	Fireempto.....	14	41	600	.....
Firectiva.....	10	24	600, 250, 100	.....					

## 48 X 108 INCHES.

Code.	Number.	Weight per Sheet, Lbs.	Weight of Casks in Stock, Lbs.	Per Lb.	Code.	Number.	Weight per Sheet, Lbs.	Weight of Casks in Stock, Lbs.	Per Lb.
Fireptise.....	8	21	600	\$.....	Fireximos.....	11	31	600, 250	\$.....
Firepturo.....	9	24	600, 250	.....	Firezion.....	12	36	600, 200	.....
Fireptory.....	10	27	600, 250	.....	Firibitore.....	14	.....	600	.....

Additional charge is made for casks containing less than 600 pounds and for loose sheets.

## TABLE SHOWING COMPARISON OF GAUGES ON SHEET ZINC.

ILLINOIS ZINC CO'S ZINC GAUGE.			STUBS' WIRE GAUGE.		BROWN & SHARPE'S GAUGE.	
No.	Weight per Square Foot.	Thickness in Decimals.	No.	Thickness in Decimals.	No.	Thickness in Decimals.
5	0.37	.010 $\frac{1}{100}$	...	.....	...	.....
6	0.45	.012	29	.013	29	.0112
7	0.52	.014	28	.014	28	.0126
8	0.60	.016	27	.016	27	.0141
9	0.67	.018	26	.018	26	.0159
10	0.75	.020 $\frac{1}{50}$	25	.020	25	.0179
11	0.90	.024	24	.022	24	.0201
12	1.05	.028	23	.025	23	.0225
13	1.20	.032	22	.028	22	.0253
14	1.35	.036	21	.032	21	.0284
15	1.50	.040 $\frac{1}{25}$	20	.035	20	.0319
16	1.68	.045	19	.042	19	.0359
17	1.87	.050	18	.049	18	.0403
18	2.06	.055	17	.058	17	.0452
19	2.25	.060 $\frac{1}{17}$	16	.065	16	.0508
20	2.62	.070	15	.072	15	.0570
21	3.00	.080	14	.083	14	.0640
22	3.37	.090	13	.095	13	.0719
23	3.75	.100 $\frac{1}{10}$	12	.109	12	.0808
24	4.70	.125 $\frac{1}{8}$	11	.120	11	.0907
25	9.40	.250 $\frac{1}{4}$	10	.134	10	.1019
26	14.00	.375 $\frac{3}{8}$	9	.148	9	.1114

## ZINC PLATES.

FOR MARINE BOILERS.

6 x 12 inches.

Code.....	Firibuis	Firigauge
Thickness, inch.....	$\frac{1}{2}$	1
Per pound.....	\$.....	.....
Weight each, lbs.....	9 $\frac{1}{2}$	19 $\frac{1}{4}$

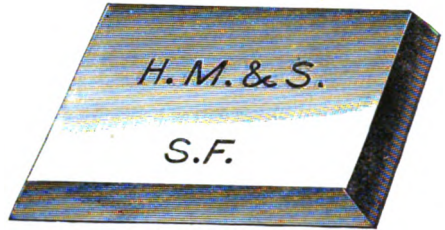
One-half inch in 500 pound cases.

One inch in 250 or 500 pound cases.



# SLAB ZINC OR SPELTER.

Code..... Firigest  
 Per pound..... \$.....  
 In slabs of about fifty pounds each.

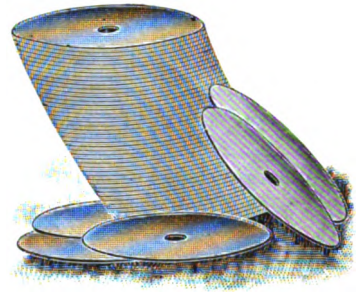


# ZINC DISCS.

1-INCH HOLE IN CENTER.

For Cyanide Plants where Zinc Shavings are made on an ordinary turning lathe.

Code..... Firigoras  
 Diameter, inches..... 11 3/4  
 Per pound..... \$.....  
 About 100 pounds in a case.



# ZINC SHAVINGS.

FOR CYANIDING PURPOSES.

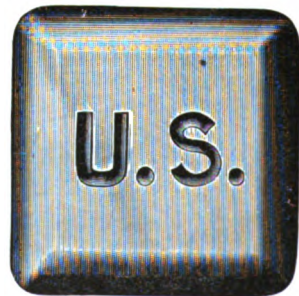
Code.....	Firimendo	Firitato	Firompend
Grades.....	Coarse	Medium	Fine
Inch.....	1/500	1/850	1/1700
Per pound.....	\$.....	.....	.....

Put up in cases from 100 to 150 pounds each.



# U. S. ANTIMONY.

Code..... Firumpos  
 Per pound..... \$.....  
 In slabs of about forty pounds each.  
 600 pounds in a barrel.



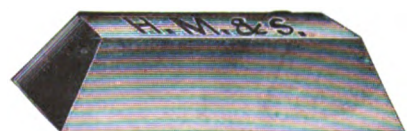
# BAR LEAD.

Code..... Firumpun  
 Per pound..... \$.....  
 One pound bars. Twenty-five bars in a bundle.



# CAULKING LEAD.

Code..... Firupper  
 Per pound..... \$.....  
 Five pounds in a pig.



**PIG LEAD.**

Code..... Firruption

Per pound..... \$. ....

About 100 pounds per pig.

**BAR TIN.**

Code..... Firrupturi

Per pound..... \$. ....

One pound bars.

**PIG TIN.**

Code..... Fisalmot

Per pound..... \$. ....

About fifty pounds per pig.

**TINNERS' SOLDER.**

Code ..... Fisambil      Fisamor      Fisarmol

Grade ..... Extra X      No. 1      No. 2

Proportion of lead and tin...  $\frac{1}{2}$  and  $\frac{1}{2}$       90 to 100      80 to 100

Per pound..... \$. ....

Two-pound bars. 100 pounds in a case.

**TRIANGULAR SOLDER.**

FOR CANNERS.



Code ..... Fisattun      Fisapot      Fiscottar

Grade..... Extra      No. 1      No. 2

Per pound ..... \$. ....

We can also furnish the above cut any size for Drop Solder.

**WIRE SOLDER.**

FOR ELECTRICIANS.



Code..... Fisergote      Fisestol

Diameter, inch.....  $\frac{1}{8}$        $\frac{3}{16}$ 

Per pound..... \$. ....

From five to fifty pounds in a coil.

**SPELTER SOLDER.**

FOR BRAZING.



Code..... Fisillabe      Fislacone      Fispadano

Grade ..... Fine      Medium      Coarse

Per pound ..... \$. ....

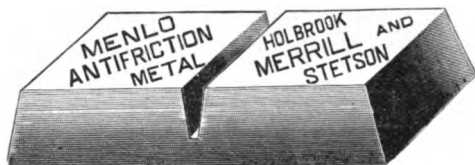
**WIPING SOLDER.**

Code..... Fistario      Fistellu  
 Grade..... Extra      No. 1  
 Per pound..... \$.....  
 Three pounds per cake. One hundred pounds per case.

**MENLO ANTI-FRICTION METAL.**

STRICTLY HIGH GRADE. SUPERIOR TO THE BEST.  
 FOR LIGHT OR HEAVY BEARINGS.

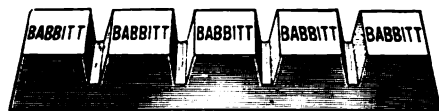
Code..... Fistenros  
 Per pound.. \$.....  
 About five pounds per cake. Fifty-six pounds in a case.

**MENLO BABBITT METAL.**

Code ..... Fisteolite      Fistercin      Fisthoram      Fisticera  
 Grade, numbers ..... 1      2      3      4  
 Per pound ..... \$.....  
 About fifty pounds in a box.

**GENUINE BABBITT METAL.**

Code ..... Fistiteram  
 Per pound..... \$.....  
 About fifty pounds in a box.

**FINN'S ARMATURE METAL.**

FOR DYNAMOS, MOTORS, ELECTRIC CRANES, ETC.

Code..... Fistoide  
 Per pound..... \$.....  
 About fifty pounds in a box.

**MURIATIC ACID.**

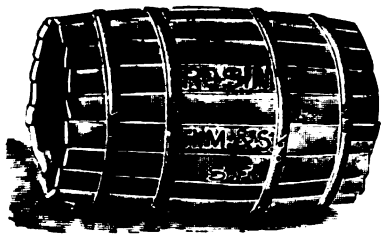
RAW. COMMERCIAL.

Code..... Fistularem      Fitacione  
 Package..... Bottles      Carboys  
 Capacity, gallons ..... 1/2      8  
 Pounds of acid ..... 6      100  
 Per pound..... \$.....  
 Shipping weight of carboys about 120 pounds.

COOKED.

Code..... Fitadeller  
 One pint bottles, each..... \$.....





**ROSIN.**

BEST QUALITY.

Code.....	Fitadore	Fitament	Fitantibo	Fitaredon
Boxes, lbs.....	10	15	25	Bbl., lbs., 300
Per pound .....	\$.....	.....	.....	.....



**SOLDERING SALTS.**

Code.....	Fitaristic
Per dozen bottles.....	\$.....



**CHARCOAL.**

EXTRA QUALITY.

Code.....	Fitatorum
Per sack.....	\$.....

About fifty pounds in a sack.

## COVERING FOR HOT-AIR FURNACE PIPES AND HEATERS.

This Covering is made by cementing a flat and corrugated piece of Sheathing together, thereby producing Dead Air Spaces. Thirty-six inches wide.

Code .....	Fitatorino
Thickness, inches.....	$\frac{1}{4}$
Square feet in a roll.....	250
Weight per square foot, ounces.....	$4\frac{1}{3}$
Per square foot.....	\$.....

About seventy-five pounds in a roll.

## ASBESTOS PAPER OR SHEATHING.

This is a Fire-Proof Sheathing or Lining for wrapping hot-air furnace pipes, etc. It will not disintegrate with age, is odorless and vermin-proof. Thirty-six inches wide.

Code.....	Fitatoripa	Fitatoritt	Fitatorive
Thickness.....	Thin	Medium	Heavy
Weight per 100 square feet, lbs.....	6	10	14
Square feet in a roll.....	1300 to 1600	800 to 1000	500 to 700
Per pound.....	\$.....	.....	.....

Eighty to one hundred pounds in a roll.

## ASBESTOS ROLL MILL BOARD.

Composed of Fibrous Asbestos, taking the place of Asbestos Sheathing where a heavier material is desired. Thirty-six inches wide.

Code.....	Fitatorobe	Fitatorock	Fitatoroed
Thickness, inches.....	$\frac{1}{32}$	$\frac{1}{16}$	$\frac{1}{8}$
Weight per 100 square feet, lbs.....	16	35	65
Per pound.....	\$.....	.....	.....

About one hundred pounds in a roll.

## ASBESTOS SHEET MILL BOARD.

Is fire and acid-proof, and is valuable for packing joints in contact with fire and oils. It is also used for Fire Screens, Partitions, Ceilings and Linings for Ranges, Stoves, Grates, Gas Backs, etc. In sheets 40 x 40 inches.

Code.....	Fitatoroft	Fitatorogo	Fitatorolp	Fitatosab	Fitatosado	Fitatoseem	Fitatosege
Thickness, inches.....	$\frac{1}{32}$	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{1}{16}$	$\frac{1}{4}$	$\frac{1}{2}$
Weight per sheet, lbs.....	2 to $2\frac{1}{2}$	$3\frac{3}{4}$ to $4\frac{1}{4}$	$5\frac{1}{2}$ to 6	$7\frac{1}{2}$ to 8	$11\frac{1}{2}$ to 12	$13\frac{1}{2}$ to $14\frac{1}{2}$	27 to 30
Per pound.....	\$.....	.....	.....	.....	.....	.....	.....

About two hundred and fifty pounds in a case.

## ASBESTOS WICK PACKING.

This Wick Packing is composed of selected Asbestos Fibre spun into strands (which can be separated) and made into the form of soft, strong "Lamp-wick," which may be wound or packed around small valve stems, pumps, etc. It is acid and fire-proof. Wound in balls.

Code .....	Fitatosell	Fitatosick	Fitatoship
Weight of balls, lbs.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Per pound.....	\$.....	.....	.....

One-half pound balls always sent unless otherwise ordered.

## SECTION 5.

### PIECED TIN WARE.



HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES

AND NEW YORK

## PIECED TIN WARE.

In the following section will be found a very complete line of Pieced Tin Ware and careful attention will be paid to quality, workmanship and finish.

Items marked H. M. & S. are made in our own factory. Every piece will be as perfect as it can be made. The initials H. M. & S. will represent the best that money, skill and high class workmanship can produce.

In ordering these good by telegraph it is only necessary to use the code word over the number or size of the article wanted in this section preceded by words from the telegraphic code in front of this book.

Example: Crosistas acicales fiterdrad and acinosum flypole.

Translation: Ship by railroad immediately three and one half dozen number two coffee boilers and two gross number one tin cups.





## H. M. & S. BOAT BOILERS. IC.

Code.....	Fitatour
Inches.....	10½ x 2½
Per dozen ..	\$2.50
Weight per doz., lbs.....	9



## H. M. & S. COFFEE BOILERS. IC.

TIN BOTTOMS. HINGED COVERS. SOLDERED  
HANDLES AND LIPS.

Code.....	Fitavamos	Fiterdrad	Fiterorem	Fiterpend
Numbers .....	1	2	3	4
Quarts.....	1	2	3	4
Bottom, inches.....	5¼	6	6¼	7
Height, inches.....	5¼	6	7¼	9
Per dozen.....	\$2.25	2.40	2.60	3.50
Wt. per doz., lbs....	7	8	9	12

## H. M. & S. COFFEE BOILERS. IX.

TIN BOTTOMS. HINGED COVERS. SOLDERED  
HANDLES AND LIPS.

Code.....	Fiterspiel	Fitertown	Fitillor
Numbers .....	12	13	14
Quarts.....	2	3	4
Bottom, inches.....	6	6¼	7
Height, inches.....	6	7¼	9
Per dozen .....	\$4.00	4.50	5.00
Weight per doz., lbs.....	10	11	15



Code.....	Fitisom	Fitoleger	Fitragin	Fitramid
Numbers .....	16	18	112	120
Quarts.....	6	8	12	20
Bottom, inches.....	8½	9	10¾	12½
Height, inches.....	9½	10¾	11½	12
Per dozen .....	\$6.25	7.50	10.50	13.50
Weight per doz., lbs..	21	24	30	42

## H. M. & S. COFFEE BOILERS. IXXXX.

TIN BOTTOMS. HINGED COVERS. RIVETED HANDLES  
AND LIPS. HEAVY. POLISHED.

Code .....	Fitricol	Fitrinez	Fitronelle	Fitrosorem	Fitrullor
Numbers .....	44	46	48	412	420
Quarts .....	4	6	8	12	20
Bottom, inches....	7	8½	9	10¾	12½
Height, inches....	9	9½	10¾	11½	12
Per dozen.....	\$12.00	16.50	18.00	21.00	28.50
Wt. per doz., lbs..	24	30	36	48	54

Twenty-quart has wood handle on bail.



**H. M. & S. COFFEE BOILERS.****IX.**

COPPER BOTTOMS. HINGED COVERS. RIVETED  
HANDLES AND LIPS.

Code.....	Fitrullis	Fittadine	Fiturom	Fiverent	Fivetin
Numbers.....	<b>180</b>	<b>140</b>	<b>160</b>	<b>180</b>	<b>1120</b>
Quarts.....	3	4	6	8	12
Bottom, inches.....	6¼	7	8½	9	10¾
Height, inches.....	7¼	9	9½	10¾	11½
Per dozen .....	\$5.80	6.35	.....	9.00	.....
Wt per doz., lbs...	12	15	24	27	33

**H. M. & S. COFFEE BOILERS.****IXXXX.**

COPPER BOTTOMS. HINGED COVERS. RIVETED  
HANDLES AND LIPS. HEAVY. POLISHED.

Code.....	Fivicord	Fizallada	Fizallamo	Fizallaron	Fizanaba
Numbers.....	<b>440</b>	<b>460</b>	<b>480</b>	<b>4120</b>	<b>4200</b>
Quarts.....	4	6	8	12	20
Bottom, inches...	7	8½	9	10¾	12½
Height, inches...	9	9½	10¾	11½	12
Per dozen ...	\$15.00	18.00	21.00	24.00	36.00
Wt per doz., lbs.	24	30	36	48	54

Twenty-quart has wood handle on bail.

**COFFEE BOILERS—IC.**

TIN BOTTOMS. HINGED COVERS. SOLDERED  
HANDLES AND LIPS.

Code.....	Fizanamo	Fizanarin	Flabaud	Flabular
Numbers.....	<b>08</b>	<b>04</b>	<b>05</b>	<b>06</b>
Quarts.....	3	4	5	6
Bottom, inches.....	6	7	7½	8¾
Height, inches.....	7	8½	8¾	9
Per dozen .....	\$2.60	2.95	3.35	3.85
Weight per doz., lbs....	9	10	12	15
Weight per case, lbs....	100	125	140	155

Six dozen in a case.

Six-quart has wood handle on bail.

**COFFEE BOILERS—IX.**

COPPER BOTTOMS. HINGED COVERS. BOSSED SIDE  
HANDLES. RIVETED HANDLES AND LIPS.

Code.....	Flachant	Fladibust	Fladione	Fladobete	Fladocarp
Numbers.....	<b>0180</b>	<b>0140</b>	<b>0160</b>	<b>0170</b>	<b>0180</b>
Quarts.....	3	4	6	7	8½
Bottom, inches.....	6¾	7	8½	9½	10½
Height, inches.....	7	8½	9	9	9
Per dozen .....	\$4.40	5.10	7.10	8.25	10.00
Wt per doz., lbs...	13	15	18	21	24
Wt per case, lbs..	110	135	170	.....	.....

Six dozen in a case.

Six, seven and eight-quart have wood handle on bail.





## SOLID LIPPED COFFEE BOILERS—IX.

TIN BOTTOMS. RIVETED STRAINERS AND HANDLES.

Code.....	Fladophil	Fladrast	Flaircere	Flamareti	Flamatore
Numbers .....	<b>012</b>	<b>018</b>	<b>014</b>	<b>016</b>	<b>018</b>
Quarts .....	2	3	4	6	8
Bottom, inches....	6 $\frac{1}{8}$	6 $\frac{3}{4}$	7 $\frac{1}{2}$	8 $\frac{3}{4}$	9 $\frac{1}{2}$
Per dozen.....	\$4.30	4.85	5.90	7.50	9.70
Wt. per doz., lbs...	10	12	15	18	21
Wt. per case, lbs..	43	52	59	89	123

Three dozen in a case.

### Shipping Measurements of Coffee Boilers.

Size, quarts .....	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>12</b>	<b>20</b>
One dozen packed, cubic feet.....	2 $\frac{1}{12}$	2 $\frac{5}{12}$	2 $\frac{3}{4}$	4 $\frac{1}{12}$	4 $\frac{3}{4}$	6 $\frac{1}{12}$	6 $\frac{3}{4}$	7 $\frac{1}{12}$	9 $\frac{1}{4}$	15 $\frac{1}{2}$

## H. M. & S. ROUND BOILERS—IX.

COPPER BOTTOMS. DROP SIDE HANDLES.

Code .....	Flamazion	Flamidi	Flamitam	Flamoreau
Gallons .....	<b>2</b>	<b>3</b>	<b>4</b>	<b>6</b>
Diameter, inches....	8 $\frac{1}{2}$	10	10 $\frac{1}{2}$	12
Height, inches.....	9 $\frac{1}{2}$	10 $\frac{1}{2}$	11 $\frac{1}{2}$	13
Each.....	\$1.00	1.10	1.38	1.70
Weight each, lbs....	2	3	4	5

Code ..	Flamoroso	Flancula	Flangeban	Flangerant
Gallons .....	<b>8</b>	<b>10</b>	<b>12</b>	<b>18</b>
Diameter, inches....	13 $\frac{1}{2}$	14	15	17
Height, inches.....	14	15	16	19
Each.....	\$2.00	2.50	3.00	3.75
Weight each, lbs....	6	7	7 $\frac{1}{2}$	9

## H. M. & S. SQUARE BOILERS. IXXXX.

FLAT, COPPER BOTTOMS. FOR LAUNDRY STOVES.

HEAVY. POLISHED.

Code.....	With Cock. Flangort	Without Cock. Flapete
Length, inches.....	<b>24</b>	<b>24</b>
Width, inches.....	18	18
Height, inches.....	16	16
Each.....	\$12.50	10.00
Weight each, lbs.....	19	21

## H. M. & S. WASH BOILERS—IX.

FLAT, COPPER BOTTOMS. 13 INCHES DEEP.

STAMPED COVERS.

Code .....	Flapoir	Flaraboa	Flarandem	Flaratur	Flaravise
Numbers.....	<b>160</b>	<b>170</b>	<b>180</b>	<b>190</b>	<b>1100</b>
Inches.....	8 $\frac{1}{2}$ x17 $\frac{1}{4}$	9 $\frac{1}{2}$ x20	11x21	11 $\frac{3}{4}$ x22 $\frac{1}{2}$	13 $\frac{1}{2}$ x26
Per dozen.....	\$15.50	17.00	20.00	24.00	40.00
Wt. per doz. crated	93	96	110	118	154

**H. M. & S. WASH BOILERS—IX.**

PIT, COPPER BOTTOMS. 13 INCHES DEEP.

STAMPED COVERS.

Code .....	Flaredin	Flarescot	Flaricamos	Flaridade	Flarigater
Numbers.....	<b>165</b>	<b>175</b>	<b>185</b>	<b>195</b>	<b>1105</b>
Inches.....	8½x17¼	9½x20	11x21	11¼x22½	13½x26
Per dozen.....	\$15.50	17.00	20.00	24.00	40.00
Wt. per doz. crated	93	96	110	118	154

**H. M. & S. WASH BOILERS—IX.**

FLAT, COPPER BOTTOMS. 13 INCHES DEEP.

PIECED COVERS. SQUARE HANDLES.

Code.....	Flarigeno	Flarigitos	Flarinado
Numbers.....	<b>170S</b>	<b>180S</b>	<b>190S</b>
Inches.....	9½x20	11x21	11¼x22½
Per dozen.....	\$22.50	26.00	28.50
Weight per doz. crated, lbs.	101	118	138

**WASH BOILERS—IC.**

FLAT, TIN BOTTOMS. 13 INCHES DEEP.

STAMPED COVERS.

Code.....	Flaripen	Flaruchan	Flassante
Numbers.....	<b>06</b>	<b>07</b>	<b>08</b>
Inches.....	10x18¼	11x20	11½x21
Per dozen.....	\$9.70	10.75	11.85
Weight per doz. crated, lbs.	85	89	100

One-half dozen in a crate.

**WASH BOILERS—IC.**

FLAT, COPPER BOTTOMS. 13 INCHES DEEP.

STAMPED COVERS.

Code .....	Flastoder	Flatante
Numbers.....	<b>070</b>	<b>080</b>
Inches.....	11x20	11¼x21
Per dozen.....	\$16.15	17.75
Weight per dozen crated, lbs.....	92	103

One-half dozen in a crate.



**WASH BOILERS—IXX.**

FLAT COPPER BOTTOMS. 13 INCHES DEEP.

STAMPED COVERS.

Code.....	Flauback	Flaulide	Flauluck
Numbers.....	<b>0270</b>	<b>0280</b>	<b>0290</b>
Inches.....	11x20	11½x21	12x23
Per dozen.....	\$21.50	23.60	25.80
Wt. per doz. crated, lbs....	116	122	130

One-half dozen in a crate.

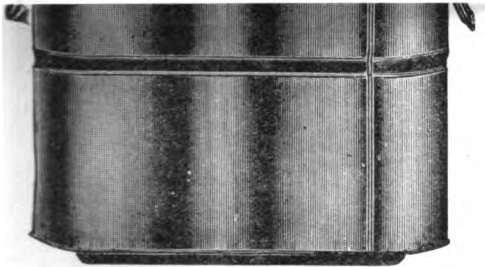


PIT, COPPER BOTTOMS. 13 INCHES DEEP.

STAMPED COVERS.

Code.....	Flaustrel	Flausuram	Flavater
Numbers.....	<b>0165</b>	<b>0175</b>	<b>0185</b>
Inches.....	10x18¼	11x20	11½x21
Per dozen.....	\$16.65	17.75	19.35
Weight per doz. crated, lbs..	90	94	105

One-half dozen in a crate.

**WASH BOILERS—IXXX.**

16-OZ. FLAT, COPPER BOTTOMS. 13 INCHES DEEP.

HEAVY. PIECED COVERS. BOSSED STATIONARY  
RIVETED HANDLES.

Code.....	Flawsite	Flaxendi
Numbers.....	<b>0880 S</b>	<b>0890 S</b>
Inches.....	11½x21	12x23
Per dozen .....	\$25.30	26.40
Weight per dozen crated, lbs.....	136	144

One-half dozen in a crate.

**WASH BOILERS—IX.**

FLAT, COPPER BOTTOMS. COPPER RIMS.

13 INCHES DEEP. STAMPED COVERS.

Code.....	Fledonus	Flemange	Flemanza	Fleochise
Numbers.....	<b>0160 R</b>	<b>0170 R</b>	<b>0180 R</b>	<b>0190 R</b>
Inches.....	10x18¼	11x20	11½x21	12x23
Per dozen .....	\$21.50	23.65	25.80	28.00
Wt. per dozen crated, lbs.	92	101	106	118

One-half dozen in a crate.

**Shipping Measurements of Wash Boilers.**

Size.....	6	7	8	9	10
One dozen crated, cubic feet.....	23	27½	30	34	42





# WASH BOILERS—IX.

FLAT, COPPER BOTTOMS. 13 INCHES DEEP.

STAMPED COVERS.

Code.....	Flateroni	Flattario	Flatteron	Flaudich
Numbers.....	<b>0160</b>	<b>0170</b>	<b>0180</b>	<b>0190</b>
Inches.....	10x18¼	11x20	11½x21	12x23
Per dozen .....	\$16.65	17.75	19.35	20.95
Wt. per dozen crated, lbs.	90	94	103	124

One-half dozen in a crate.

# WASH BOILERS—IX.

PIT, COPPER BOTTOMS. 13 INCHES DEEP.

STAMPED COVERS.

Code.....	Flaustrel	Flausuram	Flavater
Numbers.....	<b>0165</b>	<b>0175</b>	<b>0185</b>
Inches.....	10x18¼	11x20	11½x21
Per dozen.....	\$16.65	17.75	19.35
Weight per doz. crated, lbs..	90	94	105

One-half dozen in a crate.

# WASH BOILERS—IXXX.

16-OZ. FLAT, COPPER BOTTOMS. 13 INCHES DEEP.

HEAVY. PIECED COVERS. BOSSSED STATIONARY  
RIVETED HANDLES.

Code.....	Flawsite	Flaxendi
Numbers.....	<b>0880 S</b>	<b>0890 S</b>
Inches.....	11½x21	12x23
Per dozen .....	\$25.30	26.40
Weight per dozen crated, lbs.....	136	144

One-half dozen in a crate.

# WASH BOILERS—IX.

FLAT, COPPER BOTTOMS. COPPER RIMS.  
13 INCHES DEEP. STAMPED COVERS.

Code.....	Fledonus	Flemange	Flemanza	Fleochise
Numbers.....	<b>0160 R</b>	<b>0170 R</b>	<b>0180 R</b>	<b>0190 R</b>
Inches.....	10x18¼	11x20	11½x21	12x23
Per dozen .....	\$21.50	23.65	25.80	28.00
Wt. per dozen crated, lbs.	92	101	106	118

One-half dozen in a crate.

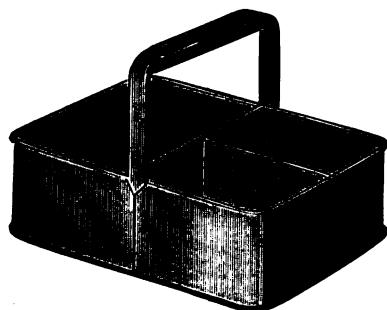
## Shipping Measurements of Wash Boilers.

Size.....	6	7	8	9	10
One dozen crated, cubic feet.....	23	27⅓	30	34	42

## H. M. & S. SHIP'S CLEANING BOXES—IXXXX.

POLISHED. EXTRA HEAVY.

Code.....	Fleogene
Inches.....	$9\frac{3}{8} \times 14\frac{1}{2} \times 4\frac{1}{8}$
Each.....	\$2.00
Weight each, lbs.....	4



## H. M. & S. DREDGE BOXES. IXXXX.

POLISHED. EXTRA HEAVY.

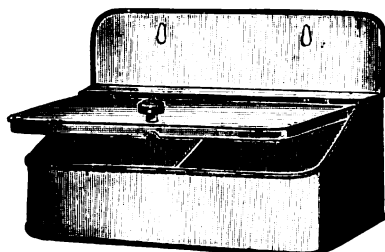
Code.....	Fleomedo
Inches.....	$8\frac{3}{8} \times 6\frac{1}{4}$
Per dozen .....	\$8.00
Weight per dozen, lbs.....	12



## H. M. & S. SHIP'S PEPPER AND SALT BOXES—IXX.

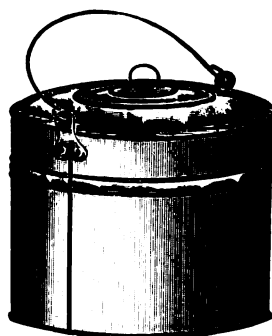
POLISHED. EXTRA HEAVY.

Code.....	Flepentl
Inches.....	$5 \times 12\frac{1}{4} \times 5$
Each.....	\$2.10
Weight each, lbs.....	3



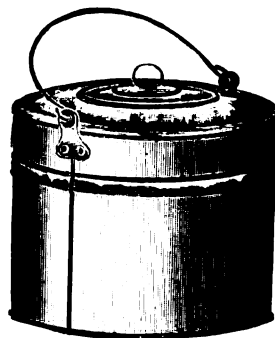
## H. M. & S. ROUND COVERED BUCKETS—IC.

Code .....	Fleperant	Fleromane	Fletabene	Flicher	Flignas	Flimacido
Numbers.....	1	1½	2	3	4	6
Quarts.....	1	1½	2	3	4	6
Diameter, in.	4¼	5½	6	6¾	7¼	8¼
Height, in....	4½	4¼	4¼	5½	5½	6
Per dozen	\$1.12	1.40	1.60	2.25	3.00	4.00
Wt. per doz.	6	6½	7	10	12	18



## H. M. & S. ROUND COVERED BUCKETS—IX.

Code.....	Flikante	Flipeando
Numbers .....	110	112
Quarts.....	10	12
Diameter, inches.....	9	10
Height, inches.....	9¼	9¼
Per dozen .....	\$5.00	7.50
Weight per dozen, lbs.....	27	33





## ROUND COVERED BUCKETS. IC.

HIGH PATTERN.



Code .....	Fliepeator	Fliepeolus	Flisadore	Flismatic	Flisopher	Flitarche
Numbers.	<b>01</b>	<b>01½</b>	<b>02</b>	<b>03</b>	<b>04</b>	<b>06</b>
Quarts.....	1	1½	2	3	4	6
Diameter, in.	4¼	4¾	5	5¾	6½	7¾
Height, in...	4¾	5	6	6½	6½	7¼
Per dozen	\$0.85	.90	1.10	1.60	2.15	2.70
Wt. per doz.	3	6	6½	9	10½	14
Wt. per case	85	95	107	150	180	200

Twelve dozen in a case.

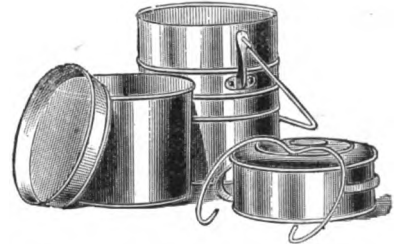
## H. M. & S. PATENT DINNER BUCKETS—IC.

The bail springs into notches in cover which prevents bucket from swinging.

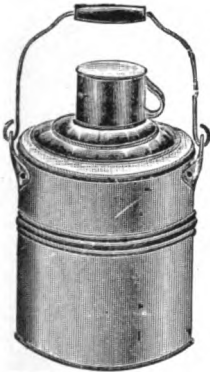


Complete.

Code.....	Flitchen
Number .....	<b>2</b>
Quarts.....	4
Diameter, inches.....	6¼
Height, inches.....	7
Per dozen.....	\$5.00
Weight, per doz., lbs.....	24



Detached.



## H. M. & S. ROUND DINNER BUCKETS—IC.

ONE CASE. WITH ½ PINT CUP.

Code.....	Flitellor	Flitodemo
Numbers.....	<b>4</b>	<b>6</b>
Quarts.....	4	6
Diameter, inches.....	6	6¾
Height, inches.....	6½	7
Per dozen .....	\$4.00	4.50
Weight per doz., lbs.....	18	24

## H. M. & S. COMSTOCK DINNER BUCKETS—IC.

ONE CASE. WITH ½ PINT CUP.

Cover fits over outside of top.



Code.....	Flitomach
Number .....	<b>4 C</b>
Quarts.....	4
Diameter, inches.....	7
Height, inches.....	7½
Per dozen.....	\$6.00
Weight per doz., lbs.....	21

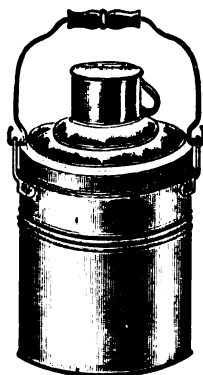
## "ACME" DINNER BUCKETS. IC.

ONE CASE. WITH CUP AND PIE TRAY.

Seamless cover over outside. Self-locking bail.

Code.....	Flitophore
Number .....	<b>04</b>
Quarts.....	4
Diameter, inches.....	6 $\frac{3}{4}$
Height, inches.....	7 $\frac{1}{2}$
Per dozen.....	\$5.40
Weight per doz., lbs.....	18
Weight per case, lbs.....	150
Shipping measurement per case, cubic feet.....	26 $\frac{7}{12}$

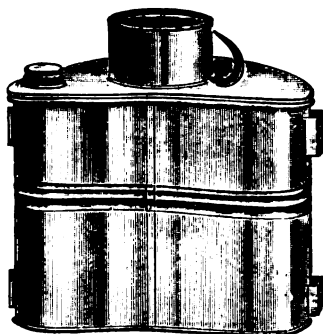
Six dozen in a case.



## COWBOY DINNER BUCKETS. IC.

WITHOUT STRAPS. WITH CUP.

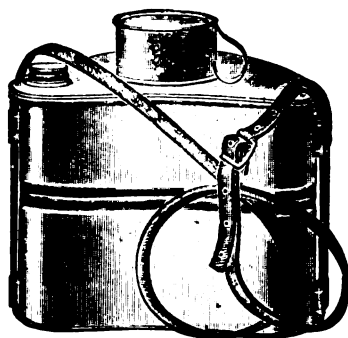
Code.....	Flitorias
Number .....	<b>10</b>
Quarts.....	4
Inches.....	5 $\frac{1}{2}$ x 8 $\frac{1}{2}$ x 6 $\frac{3}{4}$
Per dozen.....	\$.....
Weight per doz., lbs.....	17



## COWBOY DINNER BUCKETS. IC.

WITH STRAPS. WITH CUP.

Code.....	Flitumnos
Number .....	<b>20</b>
Quarts.....	4
Inches.....	5 $\frac{1}{2}$ x 8 $\frac{1}{2}$ x 6 $\frac{3}{4}$
Per dozen.....	\$9.20
Weight per doz., lbs.....	18



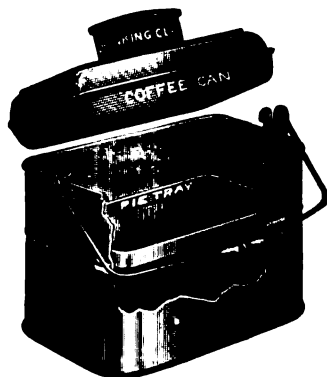
## OBLONG DINNER BUCKETS. IC.

WITH BRASS SPRING COVER FASTENER.

WITH COFFEE FLASK AND COVER. PIE TRAY AND CUP.

Code.....	Floacino	Flochent	Flochete
Numbers .....	<b>01</b>	<b>02</b>	<b>08</b>
Quarts.....	1	2	3
Inches.....	5x8	5 $\frac{3}{4}$ x 8 $\frac{1}{4}$	6 $\frac{1}{4}$ x 8 $\frac{3}{4}$
Per dozen.....	\$4.15	4.65	5.20
Weight per doz., lbs.....	18	24	30
Weight per case, lbs.....	150	175	190
Shipping measurement per case, cu. ft.	14 $\frac{1}{2}$	17 $\frac{1}{2}$	20 $\frac{1}{2}$

Six dozen in a case.



## H. M. & S. FRUIT-CAN TOPS AND BOTTOMS.

Code.....	Floglike	Floglang	Flogmarte
Quarts.....	1	2	4
Diameter, inches.....	4¼	5¼	6
Diameter caps, inches.....	3½	4¼	4¼
Per gross.....	\$1.70	2.40	4.50
Weight per gross, lbs.....	.....	.....	.....
Weight per case, lbs.....	87	126	.....
Ship. meas. per case, cu. ft...	2⅔	3⅝	.....

Five gross in a case.

### Tops Only.

Code.....	Flogmeest	Flogmello	Flogmight
Quarts.....	1	2	4
Per gross.....	\$1.00	1.40	2.50

One-quarter gross in a package.

### Bottoms Only.

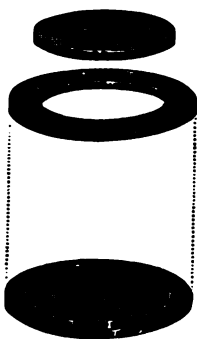
Code.....	Flogmuch	Flognope	Flogoc. t
Quarts.....	1	2	4
Per gross.....	\$0.80	1.25	2.25

One-half gross in a package.

### Caps Only.

Code.....	Flogodash	Flogolute	Flogroost
Quarts.....	1	2	4
Per gross.....	\$0.50	.60	1.15

One-half gross in a package.



## H. M. & S. CREAM CANS—IXX.

HEAVY DROP HANDLES. VENTILATED COVERS.

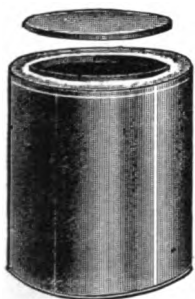
Code .....	Flodicast	Flodpole	Floduntur
Numbers.....	26	212	218
Gallons.....	6	12	18
Diameter, inches .....	12	15	17
Height, inches.....	13	16	19
Each.....	\$2.20	2.75	3.50
Weight each, lbs.....	6	8	10½

## H. M. & S. FRUIT CANS—IC.

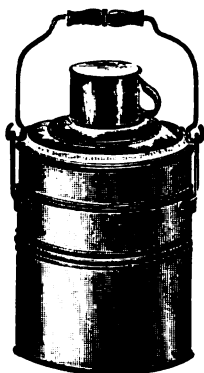
HAND MADE. ROSIN SOLDERED.

Code.....	Flogger	Flogharm	Floglark	Flogleap
Quarts.....	½	1	2	4
Inches.....	4¼ x 2½	4¼ x 5	5¼ x 5	6 x 7
Per gross.....	\$4.50	4.75	6.75	11.00
Wt per gross crated, lbs.....	51	69	79	126
Shipping measurement per crate, cubic feet..... }	5	9½	14	21

One gross in a crate.







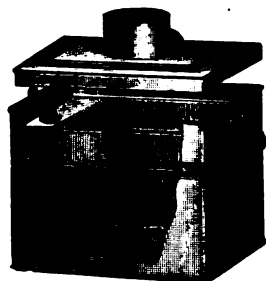
## ROUND DINNER BUCKETS. IC.

ONE CASE. WITH CUP.

With patent self-locking bail to hold case and cover securely.

Code.....	Flodander	Flodates	Flodaturu
Numbers.....	<b>80</b>	<b>40</b>	<b>50</b>
Quarts.....	3	4	5
Diameter, inches.....	6	6½	7½
Per dozen .....	\$3.50	4.00	4.60
Weight per doz., lbs.....	18	21	24
Weight per case, lbs.....	120	142	175
Shipping measurement per case, cu. ft..	20	23½	26½

Six dozen in a case.

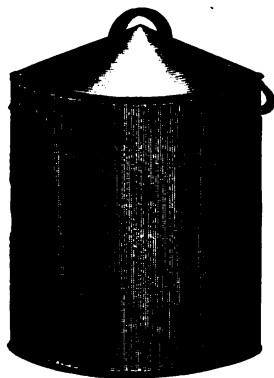


## SQUARE DINNER BUCKETS. IC.

WITH TRAY, COFFEE FLASK AND CUP

Code.....	Flodebamo	Flodian
Numbers.....	<b>300</b>	<b>400</b>
Quarts.....	3	4
Inches.....	5¼x8¼	6¼x8¾
Per dozen.....	\$5.90	6.50
Weight per doz., lbs.....	24	30
Weight per case, lbs.....	165	210

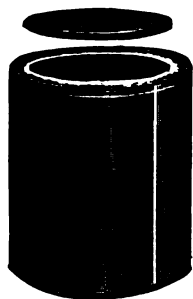
Six dozen in a case.



## H. M. & S. CREAM CANS—IXX.

HEAVY DROP HANDLES. VENTILATED COVERS.

Code .....	Flodicast	Flodpole	Floduntur
Numbers.....	<b>26</b>	<b>212</b>	<b>218</b>
Gallons.....	6	12	18
Diameter, inches .....	12	15	17
Height, inches.....	13	16	19
Each.....	\$2.20	2.75	3.50
Weight each, lbs.....	6	8	10½



## H. M. & S. FRUIT CANS—IC.

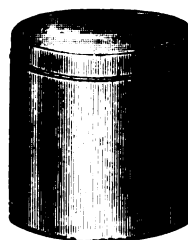
HAND MADE. ROSIN SOLDERED.

Code.....	Flogger	Flogharm	Floglark	Flogleap
Quarts.....	½	1	2	4
Inches.....	4¼x2½	4¼x5	5¼x5	6x7
Per gross.....	\$4.50	4.75	6.75	11.00
Wt per gross crated, lbs.....	51	69	79	128
Shipping measurement per crate, cubic feet.....	5	9½	14	21

One gross in a crate.

## H. M. & S. ROUND LARD CANS—IC.

Code.....	Flogster	Flogway	Flomper
Pounds.....	2½	5	10
Diameter, inches.....	4¼	5½	6¾
Height, inches.....	5	6	6¾
Each .....	\$.....	.....	.....
Weight per 100, lbs.....	50	75	175



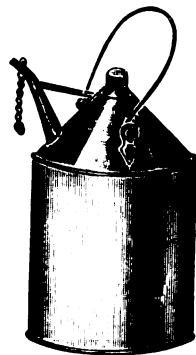
## H. M. & S. OIL CANS—IC.

SCREW TOPS. WITH BENT SPOUTS AND CAPS.

Code.....	Flonicos	Floporti	Florante
Numbers.....	2	4	8
Quarts.....	2	4	8
Diameter, inches.....	5	6½	8
Height, inches.....	8¾	10	12½
Per dozen .....	\$2.80	3.35	8.50
Weight per doz., lbs.....	8	10	30
Shipping measurement per crate, cubic feet.....	2¼	3½	7½

One dozen in a crate.

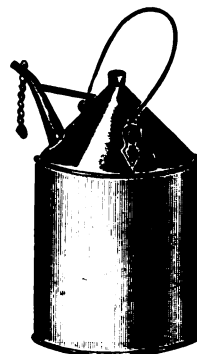
Without spout caps deduct per dozen \$0.25 net.



## H. M. & S. OIL CANS—IC.

NOZZLE TOPS. WITH BENT SPOUTS AND CAPS.

Code.....	Florindo	Florios	Florifan
Numbers.....	2N	4N	8N
Quarts.....	2	4	8
Diameter, inches.....	5	6½	8
Height, inches.....	8¾	10	12½
Per dozen .....	\$2.60	3.10	8.00
Weight per dozen, lbs.....	8	10	30

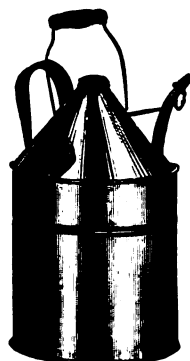


## OIL CANS—IC.

SCREW TOPS. WITH BENT SPOUTS AND CAPS.

Code.....	Florifill	Floroform
Numbers.....	02	04
Quarts.....	2	4
Diameter, inches.....	5	6¼
Height, inches.....	8½	9½
Per dozen .....	\$2.50	3.10
Weight per dozen, lbs.....	6	12
Shipping measurement per doz., cubic ft.	2¼	3½

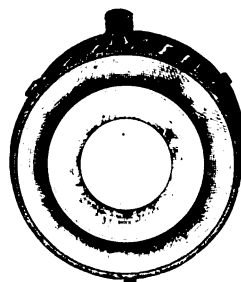
One dozen in a crate.

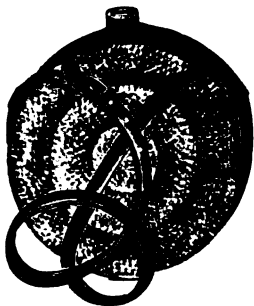


## H. M. & S. CANTEENS—IC.

ZINC SCREWS.

Code.....	Floripig	Florosos	Florossil	Florotica	Flostelli
Numbers.....	2	3	4	6	8
Quarts.....	2	3	4	6	8
Inches.....	5½x3	8¼x3¾	9½x4	10¼x5¼	11½x5½
Per dozen .....	\$2.65	3.00	3.25	5.50	7.50
Wt. per doz., lbs....	7	7½	9	15	21



**H. M. & S. CANTEENS—IC.**

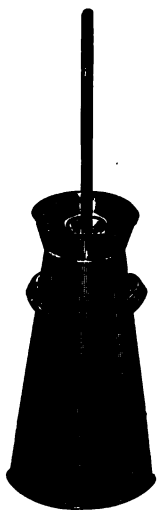
ZINC SCREWS. BLANKET COVERED. WITH LEATHER STRAPS.

Code.....	Flotilde	Floturaz	Floturion	Flouter	Flouting
Numbers.....	<b>26</b>	<b>36</b>	<b>46</b>	<b>66</b>	<b>86</b>
Quarts.....	2	3	4	6	8
Inches.....	5½x3	8¼x3¼	9½x4	10¼x5¼	11½x5½
Per dozen.....	\$8.75	9.25	10.00	13.50	16.50
Wt. per doz., lbs....	12	13	15	18	27

**CANTEENS—IC.**

TIN SCREWS.

Code.....	Floyer	Floykest
Numbers.....	<b>01</b>	<b>02</b>
Quarts.....	1	2
Diameter, inches.....	6½	7½
Per dozen.....	\$1.60	2.10
Weight per doz., lbs.....	6	7

**H. M. & S. CHURNS—IX.**

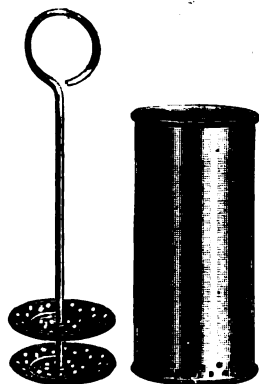
NO DASHERS.

Code .....	Floymente	Fludenbase	Fludendi	Fludifort	Fludinam
Numbers.....	<b>11</b>	<b>12</b>	<b>13</b>	<b>15</b>	<b>110</b>
Gallons.....	1	2	3	5	10
Bottom, in.....	6¾	8¾	8¾	11¼	12½
Height, in.....	10¼	14½	14	17	20
Per dozen.....	\$8.50	10.50	12.00	14.00	24.00
Wt. per doz., lbs..	18	28	33	44	66

**H. M. & S. CHURNS—IX.**

WITH DASHERS.

Code .....	Fluditure	Fludover	Fluentio	Flunalt	Flunicola
Numbers.....	<b>11 D</b>	<b>12 D</b>	<b>13 D</b>	<b>15 D</b>	<b>110 D</b>
Gallons.....	1	2	3	5	10
Bottom, in.....	6¾	8¾	8¾	11¼	12½
Height, in.....	10¼	14½	14	17	20
Per dozen.....	\$10.50	12.50	14.00	16.00	26.00
Wt. per doz., lbs..	36	46	51	62	84

**"CREAM CITY" EGG CHURNS.**

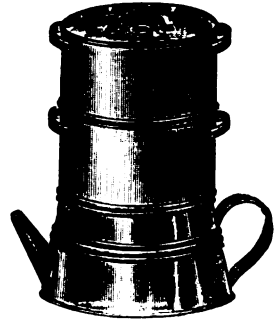
RETINNED. WITH DOUBLE DASHERS.

Code .....	Flupanod
Inches .....	2½x5½
Per dozen.....	\$1.50
Weight per dozen, lbs.....	4

**H. M. & S. STEAM COOKERS.**

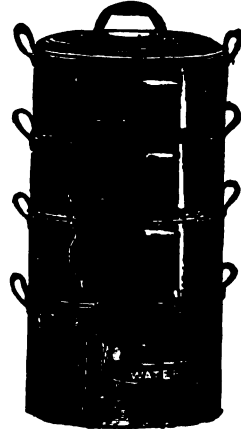
FLAT COPPER BOTTOMS. THREE-PART.

Code .....	Flupea	Flupelid
Numbers.....	8	4
Top diameter, inches .....	7½	8½
Height, inches.....	16	16
Per dozen.....	\$16.00	18.00
Weight per dozen, lbs.....	36	42

**STEAM COOKERS—IXXX.**

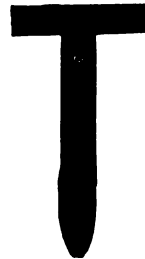
FLAT COPPER BOTTOMS. HEAVY. POLISHED.

Code.....	Flurinose	Flusiad	Flusilum	Flusorat	Flusorib
Numbers.....	842	848	845	858	855
Vessels.....	4	4	4	5	5
Quarts, each vessel..	2	3	5	3	5
Diameter, in.....	7½	9	10¼	9	10¼
Each .....	\$.....	.....	.....	.....	.....

**APPLE CORERS—IC.**

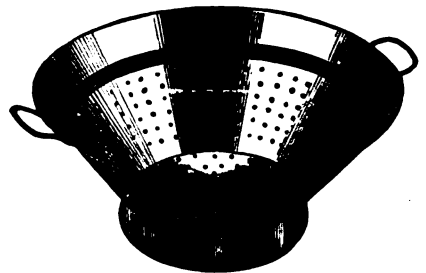
Code .....	Fluzell
Inches.....	8¼ x 6
Per dozen.....	\$0.65
Weight per dozen, lb.....	¾

One dozen in a package.

**COLANDERS—IC.**

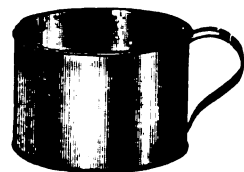
IRON SIDE HANDLES.

Code.....	Flybate	Flyment
Numbers.....	010	012
Inches .....	10	12
Per dozen.....	\$1.65	2.50
Weight per dozen, lbs.....	8	10

**H. M. & S. DRINKING CUPS—IC.**

STRAIGHT. SIDE HANDLES.

Code.....	Flydis	Flypeator	Flypole
Numbers.....	½	¾	1
Pint.....	½	¾	1
Diameter, inches.....	3	3¼	4¾
Height, inches.....	2¼	2¾	3
Per dozen.....	\$0.36	.48	.52
Weight per dozen, lbs.....	1½	2	3
Weight five gross packed, lbs.....	121	133	166
Shipping measurement five gross, cubic feet	13	19	31



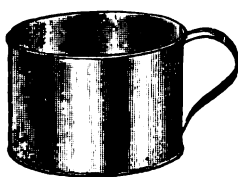


**QUICK PARER AND CORER.**

STEEL. TINNED. RING ON END. WILL NOT RUST.

Code .....	Fluzete
Number .....	1
Inches .....	6
Per dozen .....	\$0.90
Weight per doz., lb. ....	1

One dozen in a package.



STRAIGHT. SOLDERED HANDLES.

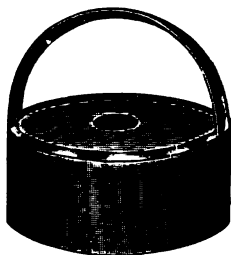
Code .....	Flytomede	Fobalose
Numbers .....	0 1/2	01
Pint .....	1/2	1
Diameter, inches .....	3	3 3/4
Height, inches .....	2	2 1/2
Per dozen .....	\$0.30	.40
Weight per dozen, lbs. ....	1 1/4	2 1/2
Weight five gross packed, lbs. ....	106	136
Shipping measurement five gross, cu. ft. ....	13	31

**H. M. & S. MEASURING CUPS.  
IC.**

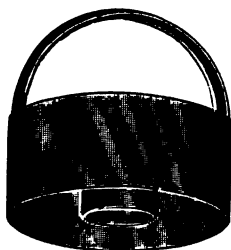
GRADUATED FOR QUARTERS OR THIRDS.



Code .....	Fobaltade	Fobaltic
Numbers .....	1/4	1/3
Pint .....	1/2	1/2
Inches .....	3x2 1/4	3x2 1/4
Per dozen .....	\$0.85	.85
Weight per doz., lbs. ....	1 1/4	1 1/4

**H. M. & S. BISCUIT CUTTERS.  
IC.**

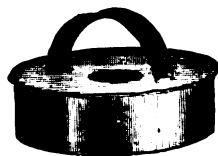
Code .....	Fobaltise
Number .....	8
Diameter, inches .....	3
Height, inches .....	1 3/8
Per dozen .....	\$0.40
Weight per doz., lb. ....	1

**H. M. & S. DOUGHNUT  
CUTTERS—IC.**

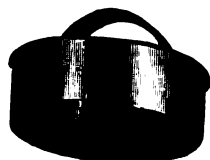
Code .....	Fobertero
Number .....	8 D
Diameter, inches .....	3
Height, inches .....	1 3/8
Per dozen .....	\$0.60
Weight, per doz., lbs. ....	1 1/2

**BISCUIT CUTTERS—IC.**

Code.....	Fobertize
Number.....	<b>08</b>
Diameter, inches.....	3
Height, inch.....	$\frac{7}{8}$
Per dozen.....	<b>\$0.35</b>
Weight per doz., lb.....	1

**DOUGHNUT CUTTERS.**

Code.....	Fobertore
Number.....	<b>08 D</b>
Diameter, inches.....	3
Height, inch.....	$\frac{7}{8}$
Per dozen .....	<b>\$0.45</b>
Weight per doz., lbs. ....	$1\frac{1}{4}$

**COOKEY CUTTERS—IC.**

Code.....	Fobicant
Inches.....	<b>8</b>
Per dozen.....	<b>\$...</b>
Weight per doz., lbs.....	$1\frac{1}{2}$

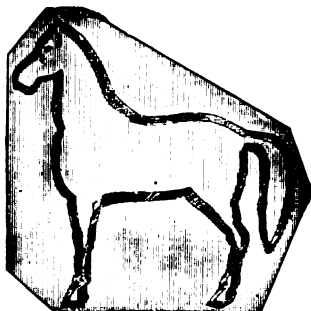
One dozen in a box.

**ANIMAL CAKE CUTTERS—IC.**

ASSORTED.

Code.....	Fobitude	Fobbrates
Numbers.....	<b>10</b>	<b>20</b>
Average size, inches.....	$2\frac{3}{4}$	$3\frac{1}{2}$
Per dozen .....	<b>\$0.35</b>	<b>.40</b>
Weight per dozen, lb.....	$\frac{3}{4}$	1

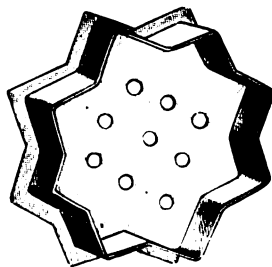
One dozen in a box.

**CAKE CUTTERS—IC.**

PLAIN CENTERS. ASSORTED SHAPES.

Code.....	Fobtratori
Number.....	<b>1</b>
Inches .....	3
Per dozen.....	<b>\$0.40</b>
Weight per doz., lb.....	1

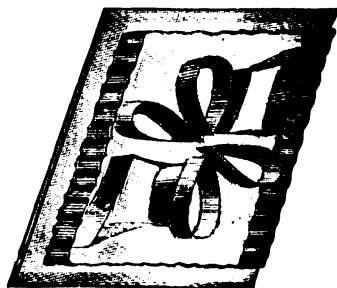
One dozen in a box.

**CAKE CUTTERS—IC.**

FANCY CENTERS. ASSORTED SHAPES.

Code.....	Fobston	Fodaduro
Numbers .....	<b>2</b>	<b>3</b>
Inches .....	3	3
Per dozen.....	<b>\$0.40</b>	<b>.60</b>
Weight per doz., lbs.....	$1\frac{1}{8}$	$1\frac{1}{4}$

One dozen in a box. No. 3, extra fancy centers.



## H. M. & S. WATER DIPPERS. IC.

10-INCH HANDLES.

Code.....	Fodamin	Fodanose
Numbers .....	<b>2</b>	<b>4</b>
Quarts.....	2	4
Top diameter, inches.....	6½	7¾
Height, inches.....	3¾	4¾
Per dozen.....	\$1.45	3.25
Weight per dozen, lbs.....	5	7



## H. M. & S. WATER DIPPERS. IXX.

10-INCH HANDLES.

Code.....	Fodapale	Fodasper
Numbers .....	<b>22</b>	<b>24</b>
Quarts.....	2	4
Top diameter, inches.....	6½	7¾
Height, inches.....	3¾	4¾
Per dozen .....	\$3.50	5.00
Weight per dozen, lbs.....	6	10



## H. M. & S. WATER DIPPERS. IXXXX.

10-INCH HANDLES.

Code.....	Foderin	Fodify
Numbers .....	<b>42</b>	<b>44</b>
Quarts.....	2	4
Top diameter, inches.....	6½	7¾
Height, inches.....	3¾	4¾
Per dozen.....	\$4.50	6.50
Weight per dozen, lbs.....	9	12



## WATER DIPPERS—IC.

10-INCH HANDLES.

Code.....	Fodiglo	Fodropole
Numbers.....	<b>01</b>	<b>02</b>
Quarts.....	1	2
Top diameter, inches.....	5½	6¼
Height, inches.....	3	3¾
Per dozen .....	\$1.10	1.25
Weight per doz., lbs.....	3	5



## H. M. & S. SHIP'S OIL FEEDERS. IXX.

HEAVY. POLISHED. CAP COVER TWO INCHES  
DIAMETER.

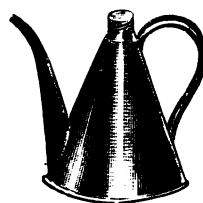
Code.....	Foedal
Quarts.....	<b>2</b>
Bottom diameter, inches.....	7
Height, inches.....	7¾
Per dozen.....	\$14.00
Weight per doz., lbs.....	15



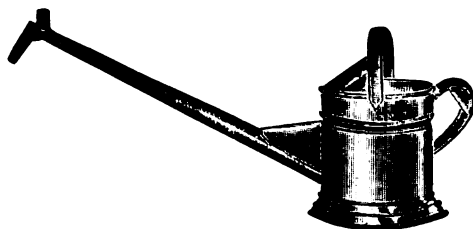
**H. M. & S. LAMP FILLERS.**

ZINC SCREW TOPS.

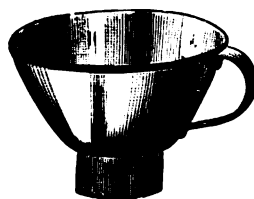
Code.....	Foellar	Foemand	Foenlat
Quarts.....	$\frac{1}{2}$	1	2
Bottom, inches.....	$4\frac{3}{8}$	6	$7\frac{1}{4}$
Height, inches.....	$5\frac{1}{2}$	$7\frac{1}{4}$	9
Per dozen.....	\$2.25	3.00	4.50
Weight per doz., lbs.....	4	6	9

**H. M. & S. WINE FILLERS.  
IXXXX.**EXTRA HEAVY. POLISHED. WITH SOCKET FOR  
CANDLE ON SPOUT.

Code.....	Foenstur
Quarts.....	11
Inches.....	8x10x10 $\frac{1}{8}$
Each.....	\$8.00
Weight each, lbs.....	5 $\frac{1}{2}$

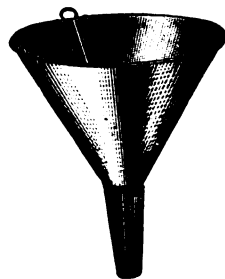
**H. M. & S. FRUIT JAR  
FUNNELS—IC.**SEAMLESS BODY. 2 $\frac{1}{4}$ -INCH NECK.

Code.....	Foenwast
Inches.....	5
Per dozen.....	\$2.00
Weight per doz., lbs.....	2

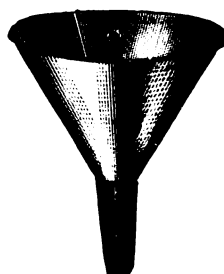
**H. M. & S. FUNNELS—IC.**

WIRED TOPS.

Code.....	Foeracht	Foerenga	Foeresti
Numbers.....	1	2	3
Pint.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Diameter, inches.....	$2\frac{3}{4}$	4	$4\frac{3}{4}$
Per dozen.....	\$0.62	.80	.84
Weight per doz., lbs.....	$\frac{1}{2}$	1	$1\frac{3}{4}$
Code.....	Foethus	Foezam	Fogabas
Numbers.....	4	5	6
Quarts.....	1	2	4
Diameter, inches.....	$5\frac{3}{4}$	8	$8\frac{7}{8}$
Per dozen.....	\$1.10	2.00	2.50
Weight per doz., lbs.....	$2\frac{3}{4}$	$5\frac{3}{4}$	$7\frac{1}{2}$

**FUNNELS—IC.**

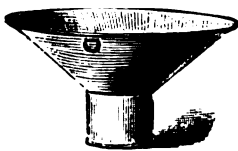
Code.....	Fogadest	Fogaren	Fogastes
Numbers.....	01	02	03
Pint.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Diameter, inches.....	$2\frac{3}{8}$	$3\frac{1}{2}$	$4\frac{1}{2}$
Per dozen.....	\$0.35	.45	.55
Weight per doz., lbs.....	$\frac{1}{2}$	1	$1\frac{1}{2}$
Code.....	Fogey	Fogeyist	Foggy
Numbers.....	04	05	06
Quarts.....	1	2	4
Diameter, inches.....	$5\frac{1}{2}$	$6\frac{3}{4}$	8
Per dozen.....	\$0.80	1.10	1.45
Weight per doz., lbs.....	2	3	7



**CLIMAX FRUIT JAR FILLERS.**

SCREWS ON JAR. COVERS THREADS. JARS  
CANNOT BREAK FROM HEAT.

Code.....	Foenvule
Inches.....	.....
Per dozen .....	\$3.00
Weight per dozen, lbs.....	.....



ROUND. NECK 3½ INCHES.

Code.....	Fogmate
Diameter, inches.....	10½
Per dozen .....	\$2.25
Weight per dozen, lbs.....	10

**H. M. & S. BUNC FUNNELS.  
IXXXXXX.**

EXTRA HEAVY. POLISHED.



Code.....	Fogotana
Diameter, inches.....	8
Length, inches.....	11
Per dozen.....	\$6.00
Weight per dozen, lbs.....	6

**H. M. & S. CRATERS—IC.**

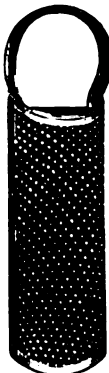
WIRED TIN HANDLES. WITH BRACE. DIAMOND PATTERN.

Code .....	Foibles	Foiblant	Foibrate
Sheet.....	¼	½	1
Inches.....	2½x6¾	3¼x9½	4½x12¼
Per dozen.....	\$0.68	1.00	1.75
Weight per dozen, lbs.....	2	3	7

**H. M. & S. CRATERS—IXXXX.**

EXTRA HEAVY. DIAMOND PATTERN.

Code.....	Foibuck
Number .....	41
Sheet.....	1
Inches.....	5x13
Per dozen .....	\$13.50
Weight per dozen, lbs.....	18



**GRATERS—IC.**

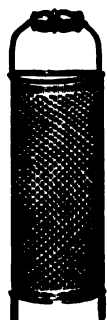
TIN HANDLES. ROUND PATTERN.

Code.....	Foidant	Foidanze	Foidarlo
Numbers.....	<b>01</b>	<b>02</b>	<b>08</b>
Sheet.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Inches.....	$2\frac{1}{2} \times 6\frac{3}{8}$	$3\frac{3}{8} \times 9\frac{1}{8}$	$5 \times 12\frac{3}{8}$
Per dozen .....	\$0.55	.75	1.35
Weight per dozen, lbs.....	2	3	7

**GRATERS—IC.**

WOOD HANDLES. ROUND PATTERN.

Code.....	Foidum	Foiduzzo	Foiling
Numbers.....	<b>010</b>	<b>020</b>	<b>080</b>
Sheet.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Inches.....	$2\frac{3}{8} \times 6\frac{3}{8}$	$4 \times 8\frac{3}{4}$	$5 \times 12\frac{1}{4}$
Per dozen .....	\$0.65	.80	1.45
Weight per dozen, lbs.....	2	4	8

**GRATERS—IXXX.**

WIRE HANDLES. EXTRA HEAVY. DIAMOND PATTERN.

Code .....	Foillinto
Number .....	<b>082</b>
Sheet.....	$\frac{1}{2}$
Inches.....	$9\frac{1}{4} \times 4$
Per dozen.....	\$2.70
Weight per dozen, lbs.....	7

**“CREAM CITY” GRATERS.  
IXX.**THREE GRADES OF PERFORATIONS: COARSE, MEDIUM  
AND FINE. EXTRA HEAVY.

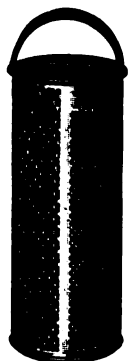
Code.....	Foilluxer
Inches.....	$8\frac{1}{4} \times 7\frac{1}{2}$
Per dozen .....	\$1.40
Weight per dozen, lbs.....	$5\frac{1}{2}$

**BOX GRATERS—IC.**

PLAIN.

Code.....	Foimard
Inches.....	<b>2x5</b>
Per dozen .....	\$0.25
Weight per dozen, lbs.....	$\frac{3}{4}$



**MIDCET CRATERS—IC.**

ROUND. TWO PERFORATIONS, COARSE AND FINE.

Code.....	Foiltvane
Number .....	<b>50</b>
Inches .....	2½ x 6¼
Per dozen.....	\$0.70
Weight per doz., lbs.....	.....



PLAIN. IMPROVED MOUTH PIECE.

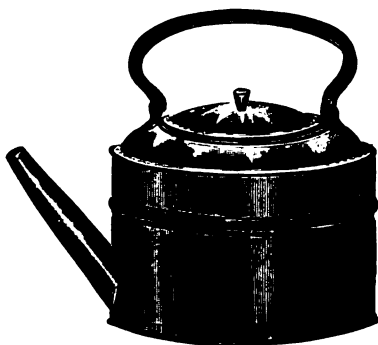
Code.....	Foimorte
Number .....	<b>02</b>
Inches.....	12
Per dozen .....	\$0.75
Weight per doz., lbs.....	2½

One-half dozen in a package.

**“BOSTON” FISH HORNS.**

PLAIN. HEAVY. BEST MADE.

Code.....	Foimust
Inches .....	<b>18½</b>
Per dozen .....	\$1.40
Weight per doz., lbs.....	2½

**H. M. & S. TEA KETTLES—IX.**

FLAT COPPER BOTTOMS. COMMON SPOUTS.

Code.....	Foimute	Foinalt	Foiname	Foinap	Foinatur
Numbers .....	<b>00</b>	<b>70</b>	<b>80</b>	<b>90</b>	<b>100</b>
Diameter, inches...	8¼	9	10	11	12
Height, inches.....	6½	6¾	6¾	8¼	8¼
Per dozen.....	\$7.00	8.30	9.60	13.50	21.00
Wt. per doz., lbs....	20	24	28	36	45

**H. M. & S. TEA KETTLES—IX.**

PIT COPPER BOTTOMS. COMMON SPOUTS.

Code.....	Foinesco	Foinetti	Foinine	Foiniste	Foinuce
Numbers .....	<b>65</b>	<b>75</b>	<b>85</b>	<b>95</b>	<b>105</b>
Diameter, inches...	8¼	9	10	11	12
Height, inches.....	6½	6¾	6¾	8¼	8¼
Per dozen.....	\$7.00	8.30	9.60	13.50	21.00
Wt. per doz., lbs....	20	24	28	36	45

**TEA KETTLES—IC.**

FLAT COPPER BOTTOMS. COMMON SPOUTS.

Code.....	Foipado	Foipagno	Foipalto
Numbers .....	<b>070</b>	<b>080</b>	<b>090</b>
Diameter, inches.....	8½	9½	10½
Height, inches.....	4¾	5½	5½
Per dozen .....	\$6.10	7.20	8.30
Weight per doz., lbs.....	16	18	20

**TEA KETTLES—IC.**

PIT COPPER BOTTOMS. COMMON SPOUTS.

Code.....	Foipant	Foiputo
Numbers .....	<b>075</b>	<b>085</b>
Diameter, inches.....	8½	9½
Height, inches.....	4¾	5½
Per dozen .....	\$6.10	7.20
Weight per doz., lbs.....	16	18

**TEA KETTLES—IX.**

FLAT COPPER BOTTOMS. CHICAGO SPOUTS.

Code.....	Foipuzza	Foibrack	Foibrunt
Numbers .....	<b>0170</b>	<b>0180</b>	<b>0190</b>
Diameter, inches.....	8½	9½	10½
Height, inches.....	4¾	5½	5½
Per dozen .....	\$7.50	8.60	9.70
Weight per doz., lbs.....	18	20	22

**"ACME" TEA KETTLES—IX.**

FLAT COPPER BOTTOMS. COPPER RIM. POLISHED.

Code.....	Foircato	Foirc'au	Foirchip
Numbers.....	<b>075 R</b>	<b>085 R</b>	<b>095 R</b>
Diameter, inches.....	8½	9½	10½
Height, inches.....	5½	5½	5½
Per dozen .....	\$9.15	10.20	11.30
Weight per doz., lbs.....	19	20	22

**Measurements of Tea Kettles.**

Size, numbers .....	6	7	8	9	10
One dozen packed, cubic feet.....	6	6¾	7¾	8¾	10



**H. M. & S. MILK MEASURES—IC.**

CAPACITY GUARANTEED.

Code .....	Foirches	Foirchote
Numbers.....	<b>1</b>	<b>2</b>
Quarts.....	1	2
Diameter, inches.....	3¾	4½
Height, inches.....	6¾	9¼
Per dozen.....	\$1.45	2.25
Weight per dozen, lbs.....	5	7

**MILK MEASURES—IC.**

Code.....	Foirdest	Foirduto
Numbers.....	<b>01</b>	<b>02</b>
Quarts.....	1	2
Diameter, inches.....	3¾	4¾
Height, inches.....	5¾	7
Per dozen.....	\$0.90	1.45
Weight per dozen, lbs.....	4	6

**H. M. & S. LIQUID MEASURES.  
IC.**

SEAMLESS LIPS. GUARANTEED CAPACITY.

Code .....	Foirgang	Foirgeest	Foirgewa
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
Pint.....	¼	½	1
Bottom diameter, inches.....	2¼	2¾	3¾
Height, inches.....	2½	3	4¾
Per dozen.....	\$1.10	1.50	1.75
Weight per dozen, lbs.....	1½	2½	3½

Code .....	Foirghir	Foirghote	Foirginx
Numbers.....	<b>4</b>	<b>5</b>	<b>6</b>
Quarts.....	1	2	4
Bottom diameter, inches.....	4¼	5¾	6¾
Height, inches.....	5¾	7½	9¾
Per dozen.....	\$2.00	2.25	3.00
Weight per dozen, lbs.....	5	6½	11

**H. M. & S. LIQUID MEASURES.  
IXXXX.**

EXTRA HEAVY. POLISHED. CAPACITY GUARANTEED.

Code.....	Foirgize	Foirglath	Foirgleck
Numbers.....	<b>41</b>	<b>42</b>	<b>43</b>
Pint.....	¼	½	1
Bottom diameter, inches.....	2¼	2¾	3¾
Height, inches.....	2½	3	4¾
Per dozen.....	\$6.00	6.50	8.00
Weight per dozen, lbs.....	2	3	6

Code.....	Foirglim	Foirglust	Foirgnat
Numbers.....	<b>44</b>	<b>45</b>	<b>46</b>
Quarts.....	1	2	4
Bottom diameter, inches.....	4¼	5¾	6¾
Height, inches.....	5¾	7½	9¾
Per dozen.....	\$9.00	10.50	12.00
Weight per dozen, lbs.....	8	12	19

Two and four-quart have bossed handles.



**LIQUID MEASURES—IC.**

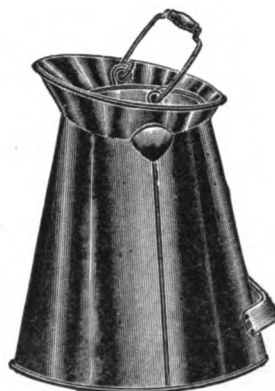
U. S. STANDARD.

Code .....	Foigorte	Foigut	Foisabe
Numbers.....	<b>01</b>	<b>02</b>	<b>03</b>
Pint.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Bottom diameter, inches .....	$2\frac{1}{4}$	$2\frac{3}{8}$	$3\frac{1}{4}$
Height, inches.....	$2\frac{1}{2}$	$3\frac{1}{4}$	$4\frac{3}{4}$
Per dozen.....	\$0.55	.60	.90
Weight per dozen, lbs.....	1	2	3
Code .....	Foisadi	Foister	Foistrap
Numbers .....	<b>04</b>	<b>05</b>	<b>06</b>
Quarts.....	1	2	4
Bottom diameter, inches .....	$4\frac{1}{2}$	$5\frac{1}{4}$	$6\frac{7}{8}$
Height, inches.....	$5\frac{1}{2}$	$7\frac{1}{8}$	$8\frac{7}{8}$
Per dozen.....	\$1.35	1.90	2.70
Weight per dozen, lbs.....	4	6	10

**H. M. & S. WINE MEASURES.  
IXXXX.**

EXTRA HEAVY. POLISHED. BRACED BOTTOMS.

Code .....	Foisung	Foitante	Foitarde
Gallons .....	<b>2</b>	<b>3</b>	<b>5</b>
Bottom diameter, inches .....	10	11	13
Height, inches.....	10	$11\frac{3}{8}$	$13\frac{3}{4}$
Each .....	\$3.25	3.75	5.00
Weight each, lbs.....	$3\frac{1}{2}$	$5\frac{1}{2}$	$13\frac{3}{4}$

**H. M. & S. GRADUATED WINE  
MEASURES—IXXXX.**

EXTRA HEAVY. POLISHED.

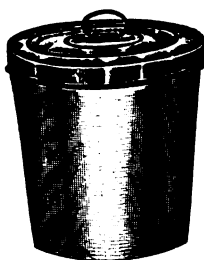
Code.....	Foitillo
Gallons .....	<b>5</b>
Diameter, inches.....	$12\frac{1}{4}$
Height, inches.....	$11\frac{3}{8}$
Each .....	\$3.50
Weight each, lbs.....	$5\frac{1}{2}$

**H. M. & S. SPRING BOTTOM  
CAKE MOULDS—IC.**

THREE INCHES DEEP.

Code .....	Foitome	Foitrap	Foitruck
Numbers .....	<b>11</b>	<b>12</b>	<b>13</b>
Diameter, inches .....	$8\frac{3}{4}$	$9\frac{1}{2}$	$10\frac{1}{4}$
Per dozen.....	\$6.00	6.50	7.00
Weight per dozen, lbs.....	9	10	12





## H. M. & S. BROWN BREAD MOULDS—IC.

Code.....	Foitruzza
Number.....	1
Top diameter, inches.....	6¼
Height, inches.....	5¾
Per dozen .....	\$4.50
Weight per doz., lbs.....	9

## H. M. & S. ICE CREAM MOULDS—IXX.

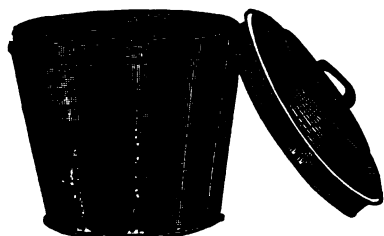
HEAVY. POLISHED. WITH TOP AND BOTTOM COVERS.



Code.....	Fokelare	Fokgeste
Quarts.....	1	2
Inches .....	4½x8¼x2½	5½x9½x2¾
Per dozen .....	\$10.00	12.00
Weight per doz., lbs.....	12	18
Code.....	Foksbloke	Foksbone
Quarts.....	8	4
Inches .....	5½x11¼x3¼	5¾x12x3½
Per dozen .....	\$13.50	\$15.00
Weight per doz., lbs.....	21	28

## H. M. & S. PUDDING MOULDS. IC.

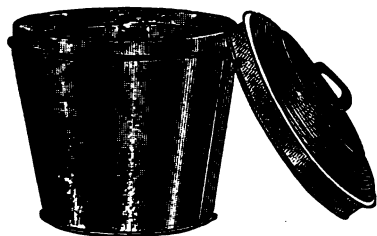
WITHOUT TUBES.



Code.....	Foksdoor	Fokshof	Fokter
Numbers .....	1	2	8
Top diameter, inches.....	6¼	6½	7½
Height, inches.....	5¾	6	6½
Per dozen .....	\$4.00	4.50	5.00
Weight per doz., lbs.....	9	10	12

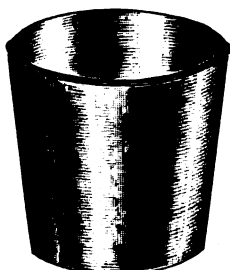
## H. M. & S. PUDDING MOULDS. IC.

WITH TUBES.



Code.....	Foktorlo	Folabell	Folabrato
Numbers .....	10	20	30
Top diameter, inches.....	6¼	6½	7½
Height, inches.....	5¾	6	6½
Per dozen .....	\$5.00	5.50	6.00
Weight per doz., lbs.....	10	11	13

## H. M. & S. DEL MONTE PUD- DING MOULDS—IC.



Code.....	Folager	Folamin	Folandol
Size .....	Small	Medium	Large
Top diameter, inches.....	2	2½	2¼
Height, inches.....	1¾	1¾	2¾
Per dozen .....	\$0.75	.75	.90
Weight per doz., lbs.....	½	¾	1

## H. M. & S. LOCOMOTIVE OILERS—IXX.

HEAVY. POLISHED. BOSSED HANDLES.

Code.....	Folantib
Pints.....	1½
Inches.....	3½x24
Per dozen.....	\$12.00
Weight per doz., lbs.....	10



## MACHINE OILERS—IC.

8-INCH SPOUTS.

Code.....	Folaspist	Folatale
Numbers.....	01	01 B
Style.....	Straight Spout	Bent Spout
Pint.....	1	1
Diameter, inches.....	3	3
Per dozen.....	\$1.80	1.80
Weight per doz., lbs.....	4	4



## MACHINE OILERS—IX.

13-INCH SPOUTS.

Code.....	Folatilum	Folbord
Numbers.....	02	02 B
Style.....	Straight Spout	Bent Spout
Pints.....	2	2
Diameter, inches.....	4¼	4¼
Per dozen.....	\$3.30	3.30
Weight per doz., lbs.....	9	9



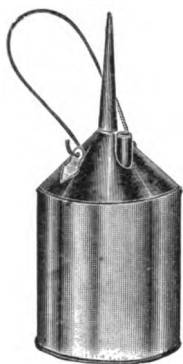
## MOWING MACHINE OILERS. IC.

4-INCH SPOUTS. WITH TIN SPRING BOTTOMS.

Code.....	Folciator	Folcione
Numbers.....	01	01 B
Style.....	Straight Spout	Bent Spout
Pint.....	1	1
Diameter, inches.....	3	3
Per dozen.....	\$0.85	.85
Weight per doz., lbs.....	2¼	2¼

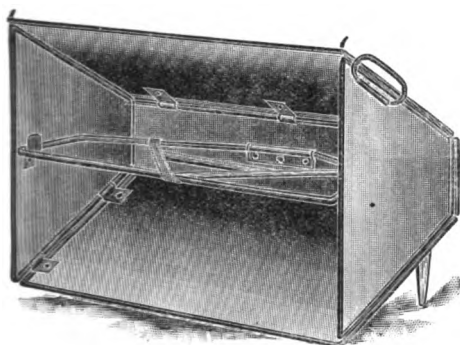
One dozen in a box.





### H. M. & S. TEAMSTERS' OILERS—IC.

Code .....	Folcord	Foldener	Foldige
Numbers.....	$\frac{1}{2}$	<b>1</b>	<b>2</b>
Quarts .....	$\frac{1}{2}$	1	2
Diameter, inches .....	$3\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{3}{4}$
Height, inches.....	10	11	$12\frac{1}{4}$
Per dozen.....	\$1.60	2.00	2.75
Weight per doz., lbs.....	4	6	8



### H. M. & S. YANKEE ADJUSTABLE OVENS—IXX.

CAN BE FOLDED COMPACTLY.

Code .....	Foldrum
Opened, inches.....	<b>10x8<math>\frac{1}{2}</math>x10</b>
Folded, inches .....	<b>14<math>\frac{3}{4}</math>x18<math>\frac{1}{4}</math>x2</b>
Each .....	<b>\$2.75</b>
Weight each, lbs....	<b>5<math>\frac{1}{2}</math></b>

### “MILK MAID” DAIRY PAILS. IXXX.

FULL WEIGHT. HEAVY. RETINNED.



Code.....	Folendos	Folentor	Folentam
Numbers.....	<b>0810</b>	<b>0812</b>	<b>0814</b>
Quarts.....	10	12	14
Top diameter, inches.....	$10\frac{1}{2}$	$11\frac{1}{4}$	$11\frac{3}{8}$
Height, inches.....	$9\frac{5}{8}$	$9\frac{3}{4}$	$10\frac{1}{2}$
Per dozen.....	\$7.50	8.00	8.60
Weight per crate, lbs.....	$83\frac{1}{2}$	86	90
Shipping measurement per crate, cu. ft. ...	4	$4\frac{1}{3}$	5

Two dozen in a crate.



### MILWAUKEE DAIRY PAILS. IX.

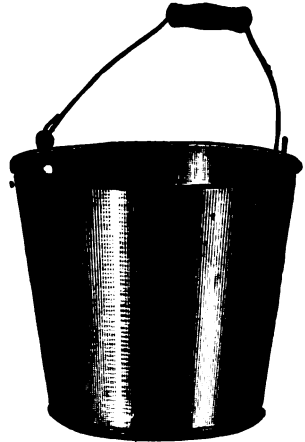
Code.....	Folgater	Folichen	Folichod
Numbers .....	<b>0110</b>	<b>0112</b>	<b>0114</b>
Quarts.....	10	12	14
Top diameter, inches.....	$10\frac{1}{2}$	11	$11\frac{1}{2}$
Height, inches.....	$8\frac{3}{4}$	$9\frac{3}{4}$	$10\frac{1}{4}$
Per dozen.....	\$3.60	4.10	4.65
Weight per crate, lbs.....	52	58	63
Shipping measurement per crate, cu. ft. ...	$4\frac{1}{2}$	$4\frac{3}{4}$	$5\frac{1}{4}$

Two dozen in a crate.

## MILWAUKEE DAIRY PAILS. IXX.

Code.....	Folichort	Folichur	Folicope
Numbers .....	<b>0210</b>	<b>0212</b>	<b>0214</b>
Quarts.....	10	12	14
Top diameter, inches.....	10½	11	11½
Height, inches.....	8¾	9¾	10¾
Per dozen.....	\$4.10	4.65	5.20
Weight per crate, lbs.....	60	67	77
Shipping measurement per crate, cu. ft. ...	4½	4¾	5¼

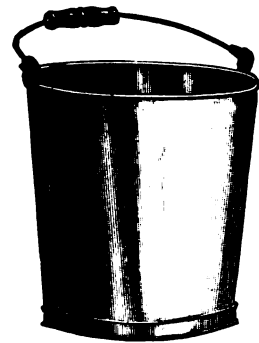
Two dozen in a crate.



## H. M. & S. MILKING PAILS. IXXX.

HEAVY. POLISHED.

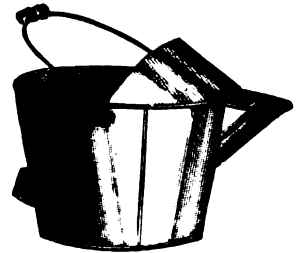
Code.....	Folicopod	Folimart
Numbers.....	<b>817</b>	<b>821</b>
Quarts.....	17	21
Top diameter, inches.....	12	13
Height, inches.....	12½	13
Per dozen.....	\$12.50	16.50
Weight per dozen, lbs.....	45	54
Shipping measurement per dozen, cubic feet.....	3½	4½



## H. M. & S. STRAINER PAILS. IX.

60-MESH BRASS STRAINER CLOTH IN SPOUTS.

Code.....	Folione	Foliper
Numbers.....	<b>110</b>	<b>114</b>
Quarts.....	10	14
Top diameter, inches.....	10½	13
Height, inches.....	8¾	8¾
Per dozen.....	\$5.40	6.40
Weight per dozen, lbs.....	26	32
Shipping measurement per dozen, cu. ft..	14	17⅓

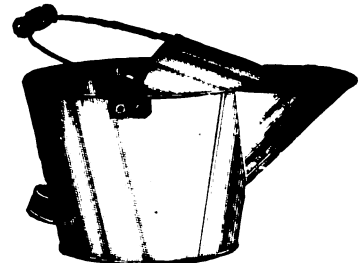


## H. M. & S. STRAINER PAILS. IXXX.

EXTRA HEAVY. POLISHED.

60-MESH BRASS STRAINER CLOTH IN SPOUTS.

Code .....	Folitamos
Number .....	<b>818</b>
Quarts .....	18
Top diameter, inches.....	14
Height, inches .....	10
Per dozen .....	\$22.50
Weight per dozen, lbs.....	60
Shipping measurement per dozen, cu. ft .....	26





# **“IRON CLAD” DAIRY PAILS. IXXX.**

HEAVY. TINNED.

Has special ear made with lug encircling the wired top.

Code.....	Folerade	Folerugl	Folesatt
Numbers .....	<b>215</b>	<b>225</b>	<b>245</b>
Quarts.....	10	12	14
Top diameter, inches.....	10¾	11	11¾
Height, inches.....	8½	9	9¾
Per dozen .....	\$7.20	7.80	8.35
Weight per crate, lbs.....	75	78	82
Ship. measure per crate, cu. ft...	3½½	4	4¼

Two dozen in a crate.





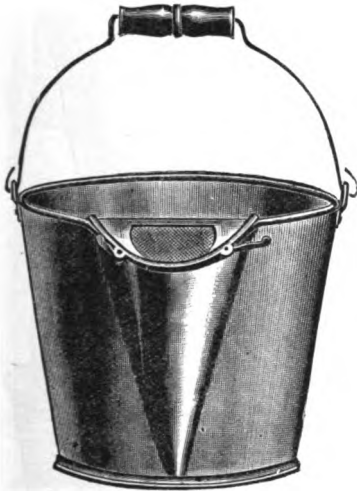


## "MILK MAID" STRAINER PAILS—IXXX.

HEAVY. RETINNED.  
60-MESH BRASS CLOTH STRAINERS.

Code.....	Follario	Follbum	Follighed
Numbers.....	<b>0810</b>	<b>0812</b>	<b>0814</b>
Quarts .....	10	12	14
Top diameter, inches.....	10 $\frac{3}{4}$	11 $\frac{1}{4}$	11 $\frac{3}{4}$
Height, inches .....	9 $\frac{3}{4}$	9 $\frac{3}{4}$	10 $\frac{1}{4}$
Per dozen .....	\$9.75	10.25	10.75
Weight per dozen crated, lbs....	65	73	77
Shipping measurement per dozen, cu. ft....	10 $\frac{1}{2}$	11 $\frac{1}{2}$	12

One-half dozen in a crate.



## COMBINATION STRAINER PAILS—IX.

HEAVY. WITH DETACHABLE STRAINERS.

Code .....	Folliner	Folomian	Folopedis
Numbers .....	<b>0110</b>	<b>0112</b>	<b>0114</b>
Quarts .....	10	12	14
Top diameter, inches .....	10 $\frac{3}{4}$	11 $\frac{1}{2}$	12
Height, inches.....	9	9 $\frac{1}{2}$	9 $\frac{1}{2}$
Per dozen.....	\$7.00	7.55	8.05
Weight per crate, lbs.....	30	32	33
Shipping measurement per crate, cu. ft....	3	3	3

One dozen in a crate.

### STRAINERS FOR COMBINATION PAILS.

Code .....	Folophore
Per dozen.....	\$1.68



## CENTRAL STRAINER PAILS. IX.

POLISHED.  
REMOVABLE 60-MESH BRASS STRAINERS.

Code .....	Folonant
Number .....	<b>0112</b>
Quarts .....	12
Top measurement, inches.....	10x16 $\frac{1}{2}$
Height, inches.....	9 $\frac{1}{2}$
Per dozen.....	\$14.50
Weight per crate, lbs.....	130
Shipping measurement per crate, cubic feet.....	23 $\frac{1}{4}$

Two dozen in a crate.

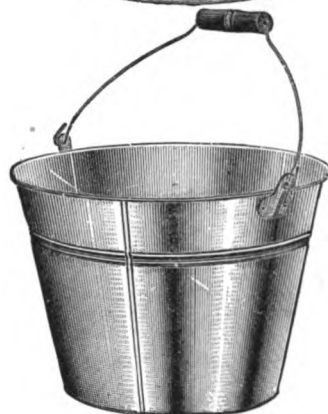
## H. M. & S. FRUIT PICKING PAILS—IC.

Code .....	Foloreto
Quarts .....	<b>14</b>
Top diameter, inches .....	13 $\frac{3}{4}$
Height, inches .....	8 $\frac{3}{4}$
Per dozen .....	<b>\$3.90</b>
Weight per dozen, lbs. ....	23
Shipping measurement two dozen, cubic feet....	4 $\frac{1}{3}$



## H. M. & S. FLARING PAILS—IX.

Code .....	Folosita	Fomanist
Numbers .....	<b>110</b>	<b>114</b>
Quarts .....	<b>10</b>	<b>14</b>
Top diameter, inches .....	10 $\frac{3}{8}$	13 $\frac{1}{2}$
Height, inches .....	8 $\frac{3}{4}$	8 $\frac{3}{4}$
Per dozen .....	<b>\$3.00</b>	3.62
Weight per dozen, lbs. ....	21	27
Shipping measurement two doz., cu. ft.	3	4 $\frac{1}{3}$



## H. M. & S. FLARING PAILS. IXX.

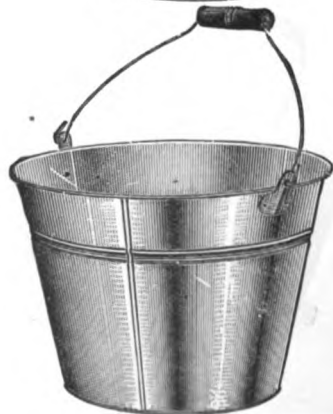
HEAVY.

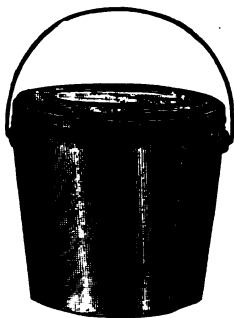
Code .....	Fomastice
Number .....	<b>218</b>
Quarts .....	18
Top diameter, inches .....	14 $\frac{1}{4}$
Height, inches .....	10
Per dozen .....	<b>\$12.00</b>
Weight per dozen, lbs. ....	46
Shipping measurement two dozen, cubic feet....	5 $\frac{1}{2}$



## FLARING PAILS—IC.

Code .....	Fomareti	Fomarion	Fomarlot
Numbers .....	<b>010</b>	<b>012</b>	<b>014</b>
Quarts .....	<b>10</b>	<b>12</b>	<b>14</b>
Top diameter, inches .....	10 $\frac{3}{8}$	12 $\frac{1}{4}$	13
Height, inches .....	8 $\frac{1}{2}$	8 $\frac{3}{4}$	8 $\frac{7}{8}$
Per dozen .....	<b>\$2.45</b>	2.95	3.60
Weight per dozen, lbs. ....	14	18	21
Shipping measurement two dozen, cu. ft.	3	3 $\frac{2}{3}$	4 $\frac{1}{3}$



**H. M. & S. LARD PAILS—IC.**

Code.....	Fomatoria	Fomavelo	Fombeyar
Numbers .....	8	5	10
Top diameter, inches.....	5½	6	8½
Height, inches.....	4¾	6	6
Per hundred.....	\$9.33	11.33	16.00
Weight per hundred, lbs.....	52	61	102
Shipping measurement per 100, cu. ft.	5¼	6½	13

**H. M. & S. SHIPS' WATER PAILS—IXXXX.**

EXTRA HEAVY, POLISHED.

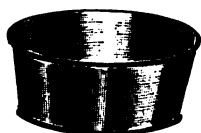
Code.....	Fombist	Fomglock
Gallons.....	5	6
Diameter, inches.....	11½	12½
Height, inches.....	13	13
Each.....	\$3.00	.....
Weight each, lbs.....	7	8½

Five gallon has wood handle on bail.

**H. M. & S. CHARLOTTE RUSSE PANS—IX.**

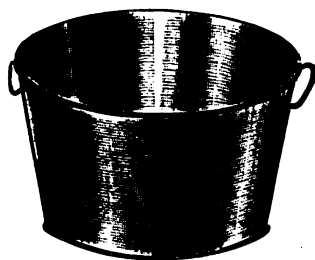
OVAL. WIRED.

Code.....	Fomhern	Fomhofe	Fomiduce
Size .....	Small	Medium	Large
Top, inches.....	4½ x 6½	4¾ x 7¼	5¾ x 8
Height, inches.....	2½	3	3¾
Per dozen.....	\$3.00	4.00	4.50
Weight per doz., lbs. ....	4	5	7

**H. M. & S. DISH PANS—IX.**

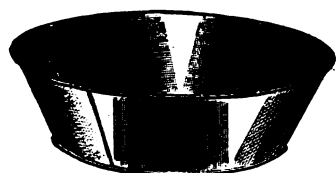
ROUND. WIRED.

Code.....	Fominab
Number.....	110
Quarts.....	10
Top diameter, inches.....	12½
Height, inches.....	6½
Per dozen.....	\$3.80
Weight per doz., lbs.....	21
Shipping measurement per dozen, cubic feet.....	1½

**H. M. & S. MILK PANS—IC.**

Code.....	Fominand
Number.....	10
Quarts.....	10
Top diameter, inches.....	15¼
Height, inches .....	4
Per gross.....	\$.....
Weight per case, lbs.....	193
Shipping measurement per case, cubic feet.....	3¾

One gross in a case.

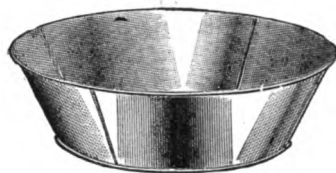


**H. M. & S. MILK PANS.**

IC BODY. IX BOTTOM.

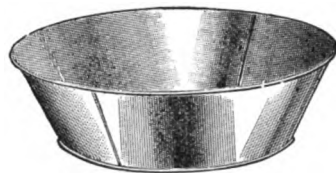
Code.....	Fominaro
Number .....	10½
Quarts.....	10
Top diameter, inches.....	15¼
Height, inches.....	4
Per gross .....	\$.....
Weight per case, lbs.....	207
Shipping measurement per case, cubic feet.....	3¾

One gross in a case.

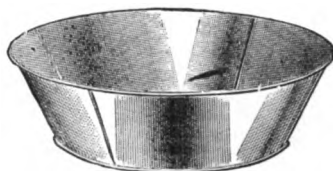
**H. M. & S. MILK PANS—IX.**

Code.....	Fominass
Number.....	110
Quarts.....	10
Top diameter, inches.....	15¼
Height, inches.....	4
Per gross .....	\$.....
Weight per case, lbs.....	231
Shipping measurement per case, cubic feet.....	3¾

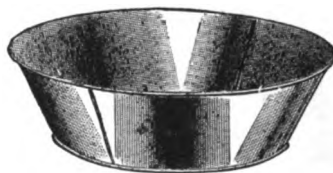
One gross in a case.

**MILK PANS—IC.**

Code.....	Fomisedar
Number.....	010
Quarts.....	10
Top diameter, inches.....	15¼
Height, inches.....	4
Per gross.....	\$35.40
Weight per case, lbs.....	195
Shipping measurement per case, cubic feet.....	3¾

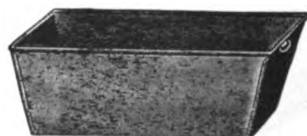
**MILK PANS—IX.**

Code.....	Fomitian
Number.....	0110
Quarts.....	10
Top diameter, inches.....	15¼
Height, inches.....	4
Per gross.....	\$45.60
Weight per case, lbs.....	219
Shipping measurement per case, cubic feet.....	3¾

**H. M. & S. SQUARE PANS—IC.**

WIRED TOP. WITH RINGS.

Code.....	Fomitose	Fomkapel
Numbers .....	0	4
Top, inches.....	4¾ x 9¾	5¼ x 11¾
Height, inches.....	3	4
Per dozen.....	\$1.30	1.85
Weight per doz., lbs.....	6	8½
Shipping measurement six dozen, } cubic feet.....	1	1¼



**H. M. & S. SQUARE PANS—IC.**

WIRED TOP. WITH RINGS.



Code.....	Fomnicus	Fomoid
Numbers .....	<b>1</b>	<b>2</b>
Top, inches.....	4 $\frac{7}{8}$ x10 $\frac{3}{4}$	7 $\frac{1}{4}$ x11
Height, inches.....	1 $\frac{3}{4}$	1 $\frac{3}{4}$
Per dozen .....	\$1.40	1.40
Weight per doz., lbs.....	5	8
Shipping measurement six dozen, cubic feet.....	1	1 $\frac{1}{2}$

**H. M. & S. SQUARE PANS—IC.**

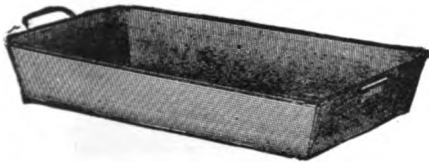
WIRED TOP. NO RINGS.



Code.....	Fomplat
Number.....	<b>8</b>
Top, inches.....	8 $\frac{1}{4}$ x11 $\frac{1}{4}$
Height, inches.....	1 $\frac{1}{4}$
Per dozen .....	\$1.20
Weight per doz., lbs.....	8
Shipping measurement six dozen, cubic feet.....	2

**H. M. & S. SQUARE PANS—IX.**

WIRED TOP. HEAVY HANDLES.



Code.....	Fomschul
Number .....	<b>5</b>
Top, inches.....	9 $\frac{3}{8}$ x15 $\frac{3}{4}$
Height, inches .....	2 $\frac{1}{2}$
Per dozen.....	\$3.00
Weight per doz., lbs.....	17
Shipping measurement six dozen, cubic feet.....	3

**SQUARE PANS—IC.**

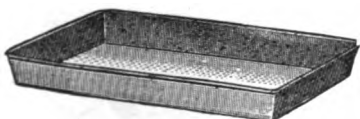
WIRED.



Code.....	Fomspitz
Number .....	<b>010</b>
Top, inches.....	7 $\frac{3}{4}$ x11 $\frac{1}{4}$
Height, inches.....	1 $\frac{3}{8}$
Per dozen .....	\$0.85
Weight per doz., lbs.....	6
Shipping measurement six dozen, cubic feet.....	2

**SQUARE PANS—IC.**

WIRED.



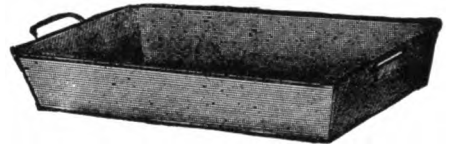
Code.....	Fonacione
Number.....	<b>020</b>
Top, inches.....	6x10
Height, inches.....	2
Per dozen .....	\$0.85
Weight per doz., lbs.....	5
Shipping measurement six dozen, cubic feet.....	1 $\frac{1}{4}$

**SQUARE PANS—IC.**

DRIPPING PAN SHAPE. WIRED. HANDLES.

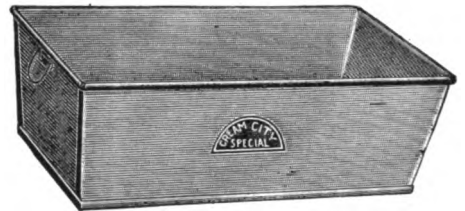
Code.....	Foncellis	Foncellite	Fonkerd	Fonnasse
Numbers.....	<b>00</b>	<b>01</b>	<b>02</b>	<b>08</b>
Top, inches.....	8x10	8x12	9x12	9x14
Height, inches.....	2	2	2	2½
Per dozen .....	\$1.60	1.80	2.00	2.35
Weight per doz., lbs....	9	10	10½	12
Ship. meas. six doz., cu. ft....	1½	2	2	2½

Code.....	Fonneletti	Fonsach	Fonussar	Fonzello
Numbers.....	<b>04</b>	<b>05</b>	<b>06</b>	<b>07</b>
Top, inches.....	10x14	10x15	11x16	12x17
Height, inches.....	2½	2½	2½	2½
Per dozen .....	\$2.50	2.70	3.10	3.60
Weight per doz., lbs....	16	17	19	21
Ship. meas. six doz., cu. ft....	2½	3	3½	4

**"CREAM CITY" BREAD PANS—IXXXX.**

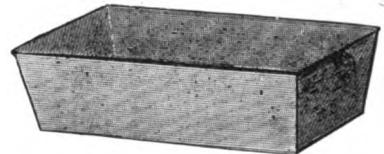
EXTRA HEAVY. POLISHED.

Code.....	Fonzellie
Numbers.....	<b>5½ x 9½</b>
Top, inches.....	5½ x 9½
Height, inches.....	3¼
Per dozen .....	\$4.00
Weight per doz., lbs.....	14¼
Shipping measurement six dozen, cubic feet.....	1½

**BREAD PANS—IC.**

WIRED. WITH RINGS.

Code.....	Foodaken	Foodarme	Foodatter
Numbers.....	<b>01</b>	<b>02</b>	<b>08</b>
Top, inches.....	4½ x 9½	5¼ x 10½	6 x 11½
Height, inches.....	3	3	3
Per dozen .....	\$1.10	1.30	1.50
Weight per doz., lbs.....	5	6	7
Shipping measurement six doz., cu. ft....	1	1	1½

**"CREAM CITY" CAKE PANS.**

EXTRA HEAVY. POLISHED.

Code.....	Foodbar
Numbers.....	<b>8¾ x 11½</b>
Top, inches.....	8¾ x 11½
Height, inches.....	1¾
Per dozen .....	\$4.00
Weight per doz., lbs.....	16½
Shipping measurement six dozen, cubic feet.....	2

**JELLY CAKE PANS—IC.**

WIRED. 1 INCH DEEP.

Code.....	Foodbok	Foodbref	Foodbuss
Numbers.....	<b>01</b>	<b>02</b>	<b>08</b>
Inches.....	8x8	9x9	10x10
Per dozen .....	\$0.85	.95	1.10
Weight per doz., lbs.....	5	5½	6
Shipping measurement six doz., cu. ft....	1½	1½	2



**SPONGE CAKE PANS—IC.**

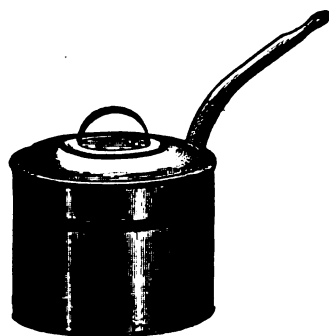
WIRED. WITH RINGS.



Code.....	Foodenda
Number .....	<b>080</b>
Top, inches.....	4½x13¼
Height, inches.....	2½
Per dozen .....	\$1.25
Weight per dozen, lbs.....	5
Shipping measurement six dozen, cubic feet.....	1½

**H. M. & S. SAUCE PANS—IC.**

WIRED.



Code.....	Foodennis	Foodgrare	Foodkiste	Foodkran
Numbers .....	<b>1½</b>	<b>2</b>	<b>3</b>	<b>4</b>
Quarts .....	1½	2	3	4
Diameter, inches.....	5	5¾	6¾	7¼
Height, inches.....	4¾	4½	5¼	5½
Per dozen .....	\$1.82	2.45	2.88	3.35
Weight per doz., lbs.	8	10	14	15
Ship. meas. per doz, cu. ft..	2	2½	3	3½

Code .....	Foodlake	Foodmale	Foodmode
Numbers .....	<b>5</b>	<b>6</b>	<b>18</b>
Quarts .....	5	6	8
Diameter, inches.....	8¾	8¾	8¾
Height, inches.....	4¾	6	7½
Per dozen.....	\$4.00	4.25	6.25
Weight per dozen, lbs.....	18	18	22
Shipping measurement per doz., cu. ft..	4½	4½	6¼

Eight quart is made of IX tin and has back top handle.

**SAUCE PANS—IC.**

Code.....	Foodsang	Foodschul	Foodskip
Numbers .....	<b>01</b>	<b>02</b>	<b>03</b>
Quarts.....	1	2	3
Diameter, inches.....	4¾	5½	6¾
Height, inches.....	3½	4¾	5½
Per dozen .....	\$1.10	1.60	2.15
Weight per doz., lbs.....	6	8	10
Shipping measurement per doz., cu. ft..	1½	2½	3

Code.....	Foodsdag	Foodsweet	Foodwad
Numbers .....	<b>04</b>	<b>06</b>	<b>08</b>
Quarts.....	4	6	8
Diameter, inches.....	7¼	8	8½
Height, inches.....	5¼	6¼	7¾
Per dozen .....	\$2.55	3.20	4.85
Weight per doz., lbs.....	13	15	18
Shipping measurement per doz., cu. ft..	3½	4½	6¼

**H. M. & S. COFFEE POTS—IC.**

TIN BOTTOMS. HINGED COVERS. SOLDERED  
HANDLES AND LIPS.

Code .....	Forache	Foradill	Foradon	Foratric
Numbers.....	1	2	3	4
Quarts .....	1	2	3	4
Bottom, inches.....	5¼	6	6¼	7
Height, inches.....	5¼	6	7¼	9
Per dozen.....	\$2.25	2.40	2.60	3.25
Weight per dozen, lbs.	7	8	9	12

**COFFEE POTS—IC.**

TIN BOTTOMS. HINGED COVERS. RIVETED  
HANDLES AND LIPS.

Code .....	Forcasom	Fordionne	Forellar
Numbers .....	01	01½	02
Quarts .....	1	1½	2
Bottom, inches.....	4¾	5	5¾
Height, inches.....	4¾	5¼	6¾
Per dozen.....	\$1.35	1.60	1.80
Weight per dozen, lbs.....	6	7	8



Code .....	Formacho	Forippen	Forizato
Numbers .....	03	04	05
Quarts .....	3	4	5
Bottom, inches.....	6	6½	7¾
Height, inches.....	8½	8¾	8¾
Per dozen.....	\$2.15	2.50	3.05
Weight per doz., lbs.....	10	13	14

**“BRILLIANT” COFFEE POTS.**

COPPER BOWL BOTTOMS. POLISHED.

Code .....	Formenti	Formicad	Formidera	Formidoir
Numbers .....	080	040	050	060
Pints .....	3	4	5	6
Bottom, inches.....	4¾	5½	5¾	6¼
Height, inches.....	5¾	5¾	6¾	7¾
Per dozen.....	\$3.70	4.00	4.40	4.80
Weight per dozen, lbs..	7	8	9	10

**H. M. & S. FRENCH COFFEE POTS—IC.**

IRON HANDLES.

Code .....	Formilone	Formiscun	Formissi	Formitand	Formitare
Pints.....	2	3	4	5	6
Bottom, in....	3¾	4½	4½	4¾	5½
Height, in....	8¾	9½	10¼	11	12
Per dozen.....	\$7.00	8.00	8.50	10.50	11.00
Wt. per doz., lbs...	10	12	16	18	22





**ROUND TEA POTS—IC.**

TIN BOTTOMS. STRAIGHT SPOUTS.

Code.....	Formition	Formitiva	Formitor	Formizion	Fornbus
Numbers .....	<b>01</b>	<b>01½</b>	<b>02</b>	<b>03</b>	<b>04</b>
Quarts .....	1	1½	2	3	4
Bottom, inches..	4¾	4½	5¼	6	7
Per dozen.....	.....	.....	.....	.....	.....
Weight per doz., lbs.	6	7	8	10	13
Meas. per doz., cu. ft.	2⅙	2½	2¾	3	4½

**"BRILLIANT" TEA POTS—IC.**COPPER BOWL BOTTOMS. FLUTED SPOUTS.  
POLISHED.

Code .....	Fornenlost	Fornenrest	Fornheck	Fornkast
Numbers .....	<b>080</b>	<b>040</b>	<b>050</b>	<b>060</b>
Pints .....	3	4	5	6
Bottom, inches .....	4¾	5½	5¾	6¼
Height, inches.....	5¾	5¾	6¾	7¾
Per dozen.....	\$3.85	4.25	4.60	5.00
Weight per dozen, lbs..	7	8	9	10
Shipping meas. per doz., cu. ft.	2½	2¾	2¾	3

**H. M. & S. CARPENTERS'  
GLUE POTS—IC.**

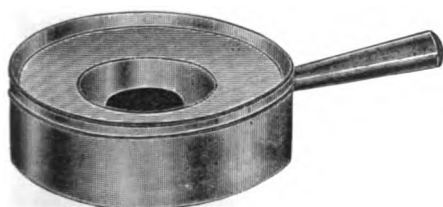
WITH COPPER KETTLES AND COAL OIL LAMPS.

Code .....	Fornquate	Fornritz
Numbers .....	<b>1</b>	<b>2</b>
Capacity of kettle, quart .....	½	1
Bottom diameter, inches .....	5¼	6
Height, inches.....	11	13½
Per dozen.....	\$16.00	18.00
Weight per dozen, lbs.....	20	21

**H. M. & S. MARKING POTS—IC.**

REMOVABLE TOPS.

Code .....	Fornschur
Bottom diameter, inches.....	5¾
Height, inches.....	2¾
Per dozen.....	\$3.25
Weight per dozen, lbs.....	6

**H. M. & S. STENCIL POTS—IC.**

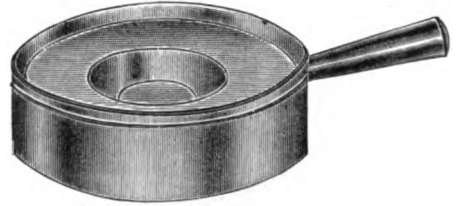
PLAIN.

Code .....	Fornspin
Number .....	<b>1</b>
Diameter, inches .....	6
Height, inches.....	2½
Per dozen.....	\$4.50
Weight per doz., lbs.....	8

**H. M. & S. STENCIL POTS—IC.**

SPRING BOTTOMS.

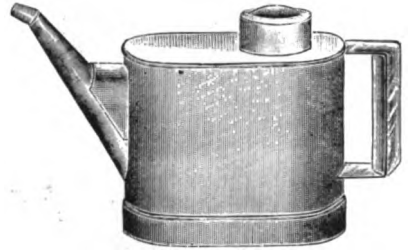
Code.....	Fornstabe
Number.....	2
Diameter, inches.....	6
Height, inches.....	2½
Per dozen.....	\$6.00
Weight per doz., lbs.....	8½



**H. M. & S. ENGINEERS' TALLOW POTS—IXX.**

HEAVY. POLISHED. 3-INCH MOUTH.

Code.....	Fornstick
Top, inches.....	4⅞ x 7 ½
Height, inches.....	5½
Per dozen.....	\$15.00
Weight per doz., lbs.....	18



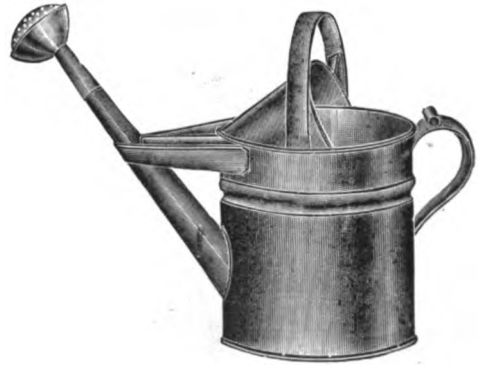
**H. M. & S. WATERING POTS. IC.**

Code.....	Fornwalz	Fornwant	Fornzweg	Fornpacht
Numbers.....	4	6	8	10
Quarts.....	4	6	8	10
Diameter, inches.....	6	7¼	7¼	7¾
Height, inches.....	6½	6½	7½	9
Per dozen.....	\$3.75	6.00	6.50	9.50
Weight per doz., lbs....	12	18	22	32



**H. M. & S. WATERING POTS. IX.**

Code.....	Forpelin	Forsifera	Forsipar
Numbers.....	114	118	124
Quarts.....	14	18	24
Diameter, inches.....	9	10¾	12¼
Height, inches.....	9	11¼	13¼
Per dozen.....	\$12.00	16.50	24.00
Weight per doz., lbs.....	34	56	74

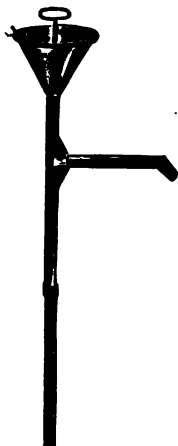


**WATERING POTS—IC.**

WITH ZINC ROSES.

Code.....	Forsidyn	Forstenio	Forstige	Forsuali
Numbers.....	02	08	04	06
Quarts.....	2	3	4	6
Diameter, inches.....	5	5½	6	7¼
Height, inches.....	5½	6	6½	7½
Per dozen.....	\$2.45	2.85	3.40	4.30
Weight per doz., lbs....	8	9	10	14
Code.....	Forsuario	Forthesi	Forticome	
Numbers.....	08	010	012	
Quarts.....	8	10	12	
Diameter, inches.....	8¼	9	9¼	
Height, inches.....	8¾	10¼	11	
Per dozen.....	\$5.90	7.00	8.05	
Weight per doz., lbs.....	20	24	26	



**H. M. & S. LIQUOR PUMPS—IX.**

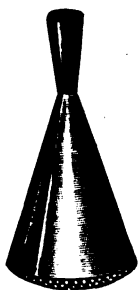
GALVANIZED PLUNGER AND BOTTOM VALVES.  
LEATHER PACKED.

Code.....	Fortigene
Length, inches.....	40
Diameter, inch.....	1
Each .....	\$1.75
Weight each, lbs.....	3

**H. M. & S. MUFFIN RINGS—IC.**

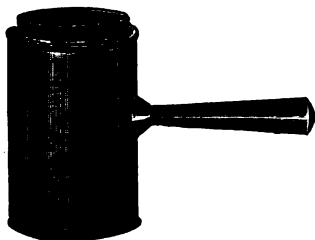
$\frac{3}{8}$  INCH HIGH.

Code.....	Fortmann
Diameter, inches.....	8
Per dozen .....	\$0.12
Weight per dozen, lb.....	$\frac{1}{2}$

**H. M. & S. SULPHUR SHAKERS.  
IC.**

FUNNEL SHAPED.

Code.....	Forville
Number .....	1
Bottom diameter, inches.....	6 $\frac{1}{2}$
Height, inches.....	10 $\frac{1}{2}$
Per dozen .....	\$4.25
Weight per dozen, lbs.....	6

**H. M. & S. SULPHUR SHAKERS.  
IC.**

MALLET SHAPED.  $3\frac{3}{4}$ -INCH SCREW TOP.

Code.....	Forybele
Number .....	2
Diameter, inches.....	4 $\frac{1}{2}$
Height, inches.....	7
Per dozen .....	\$5.50
Weight per doz., lbs.....	10



## THE FAULTLESS SPRAYER.

TIN. THROWS A SPRAY AS FINE AS MIST.

Is adapted for the destroying of every kind of insect. One-half tablespoonful of Paris Green and once filling with water is sufficient to destroy all the bugs on 1300 hills of potatoes.

**THE FAULTLESS SPRAYER** is absolutely the best constructed sprayer of its class ever offered to the trade. For strength and durability it has no equal. The tapering point to air chamber gives great force to the spray, carrying it to the greatest possible distance.

This tapering tube also allows the air chamber to be fastened to the tank in the most substantial manner. The tube of air chamber is soldered to top of reservoir and also supported by a broad strap of metal passing over point of tube. The point of air chamber and small tube through which the liquid passes are thoroughly protected from damage in use or shipping. Piston rod is spring steel wire and cup leather plunger.

Code .....	Foryclida
Number .....	790
Capacity of tank, quart.....	$\frac{3}{4}$
Length, inches .....	22
Per dozen.....	\$10.00
Weight per doz. crated, lbs.....	25
Shipping measurement per crate, cubic feet.....	2 $\frac{1}{2}$

One dozen in a crate.

## AUTOMATIC CLOTHES SPRINKLERS.

ZINC.

Code.....	Forylense
Diameter, inches.....	8 $\frac{1}{4}$
Per dozen .....	\$2.00
Weight per doz., lbs.....	2

One dozen in a box.



## H. M. & S. STEAMERS—IC.

NO COVERS.

Code.....	Forymene	Forytime	Fosalvis	Fosenbam
Numbers .....	6	7	8	9
Diameter, inches.....	8 $\frac{3}{4}$	9 $\frac{3}{4}$	10 $\frac{3}{4}$	12 $\frac{3}{4}$
Height, inches.....	5 $\frac{1}{2}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6
Per dozen .....	\$3.75	4.25	5.75	6.00
Weight per doz., lbs...	14	14	21	24



## STEAMERS—IC.

RIMMED COVERS.

Code.....	Fouaner	Foubias
Numbers .....	070	080
Diameter, inches.....	9 $\frac{1}{2}$	10 $\frac{1}{2}$
Height, inches.....	4 $\frac{3}{4}$	4 $\frac{3}{4}$
Per dozen.....	\$3.75	4.30
Weight per doz., lbs.....	14	18



**H. M. & S. TEA STEEPERS—IC.**

Code.....	Foucier
Number.....	1
Pint.....	1
Diameter, inches.....	4 $\frac{3}{8}$
Height, inches.....	3
Per dozen.....	\$1.20
Weight per doz., lbs.....	6

**TEA STEEPERS—IC.**

Code.....	Foudate	Foudick
Numbers.....	01	02
Pints.....	1	2
Diameter, inches.....	3 $\frac{3}{8}$	4 $\frac{1}{4}$
Height, inches.....	2 $\frac{3}{8}$	3
Per dozen.....	\$0.90	1.25
Weight per doz., lbs.....	3 $\frac{1}{2}$	5

**WATER STILL—IX.**

COPPER BOTTOMS. POLISHED.

For distilling drinking water.

Code.....	Foudin
Capacity, gallon.....	1
Diameter, inches.....	9 $\frac{1}{8}$
Height, inches.....	10
Each.....	\$5.00
Weight each, lbs.....	3 $\frac{1}{2}$

**H. M. & S. FLUE STOPS—IC.**

Code.....	Foudivane	Fougerell	Fouliar
Inches.....	5	5 $\frac{1}{2}$	6
Diameter, inches.....	6 $\frac{1}{2}$	6 $\frac{1}{2}$	7 $\frac{3}{4}$
Per dozen.....	\$1.25	1.25	1.25
Weight per doz., lbs.....	4	4	5

**H. M. & S. GRAVY STRAINERS. IC.**

ASSORTED PERFORATIONS.

Code.....	Fouradero	Fourament	Fourgame	Foutamos	Foutasse
Numbers.....	1	2	3	4	5
Top diam., inches.....	4 $\frac{3}{8}$	5 $\frac{3}{8}$	6 $\frac{3}{8}$	8	9 $\frac{3}{8}$
Per dozen.....	\$1.28	1.40	1.75	2.50	3.00
Wt. per doz., lbs..	3	4	5	6	10

**GRAVY STRAINERS—IC.**

Code.....	Fouteront
Number.....	01
Top diameter, inches.....	4
Per dozen.....	\$0.80
Weight per doz., lbs.....	2

**JELLY STRAINERS—IC.**

TWILLED BRASS WIRE. CLOTH BOTTOMS.

Code.....	Foutivale
Number.....	<b>08</b>
Top diameter, inches.....	6
Per dozen.....	<b>\$3.75</b>
Weight per dozen, lbs.....	5

**MILK STRAINERS—IC.**

WITH RIMS. 60 MESH BRASS STRAINERS.

Code.....	Foutore	Fouzener	Fowdy
Numbers.....	<b>010</b>	<b>011</b>	<b>012</b>
Top, inches.....	10	11	12
Per dozen.....	<b>\$1.80</b>	2.15	2.55
Weight per dozen, lbs.....	8	9	10

**MILK STRAINERS—IC.**

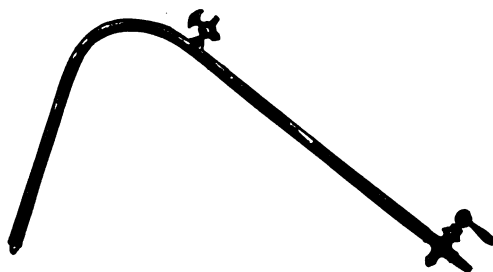
WITH WIRE FEET. 60 MESH BRASS STRAINERS.

Code.....	Fowerly	Fowncom	Fownwed
Numbers.....	<b>020</b>	<b>021</b>	<b>022</b>
Top, inches.....	10	11	12
Per dozen.....	<b>\$2.00</b>	2.30	2.70
Weight per dozen, lbs.....	8	9	10

**H. M. & S. LIQUOR SYPHONS.  
IX.**

WITH STARTING COCKS.

Code.....	Foxando
Size, feet.....	<b>2x8</b>
Diameter, inches.....	1
Each.....	<b>\$3.00</b>
Weight each, lbs.....	3

**H. M. & S. LIQUOR THIEVES.  
IX.**

WITH SIDE HANDLES. POLISHED.

Code.....	Foxologi	Foyar
Sizes.....	Small	Large
Length, inches.....	17 1/2	23 1/2
Diameter, inches.....	1	1
Per dozen.....	<b>\$4.50</b>	4.50
Weight per dozen, lbs.....	12	16



# H. M. & S. BUNC TINS—IC.

SQUARE.

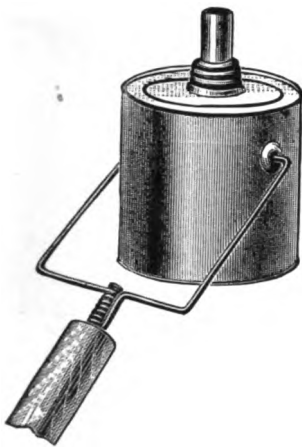


Code .....	Foyaud
Inches .....	<b>8x8</b>
Per 1000.....	<b>\$7.00</b>
Weight per 1000, lbs.....	<b>27 ½</b>

Any size or style made to order.

# H. M. & S. TORCHES—IC.

WITH WICKS AND STICKS.



Code.....	Foyerize
Diameter, inches.....	<b>8</b>
Height, inches.....	<b>4</b>
Per hundred.....	<b>\$24.00</b>
Weight per hundred, lbs.....	<b>110</b>

# H. M. & S. SOUP TUREENS—IX.

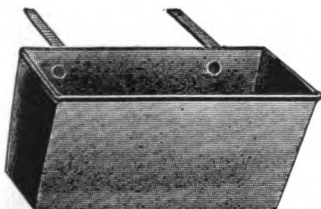
POLISHED.



Code .....	Foyleau	Foyuna	Fozavado
Numbers .....	<b>111</b>	<b>112</b>	<b>118</b>
Top, inches.....	<b>11x9</b>	<b>12x10</b>	<b>13x11</b>
Height, inches.....	<b>5 ¾</b>	<b>6 ¾</b>	<b>6 ¾</b>
Per dozen .....	<b>\$20.00</b>	<b>22.00</b>	<b>24.00</b>
Weight per dozen, lbs.....	<b>30</b>	<b>36</b>	<b>42</b>

# H. M. & S. SHIP'S DISH WASHERS—IXX.

HEAVY. POLISHED.



Code.....	Fozenos
Top, inches.....	<b>18 ¾ x 10 ½</b>
Height, inches.....	<b>10</b>
Each .....	<b>\$1.75</b>
Weight each, lbs.....	<b>7</b>





## SECTION 6.

### MILK CANS AND MILK CAN STOCK.



# HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES

AND NEW YORK.

## MILK CANS AND MILK CAN STOCK.

In quality and finish the Buhl Milk Cans and Milk Can Stock are immeasurably superior to cans with unannealed parts made from tin plate.

They are endorsed by the highest Dairy authorities in the country and were exhibited at the Paris Exposition in 1900 at the special request and under the auspices of the United States Department of Agriculture.

They received at Paris the only medal awarded to this class of goods over all competitors.

In ordering goods by telegraph from this section it is only necessary to use the code words over or opposite the number or size of the articles wanted preceded by code words from the code in the front of this book.

Example: Crogmar abendzug fracatore fraccato fracibis.

Translation: Ship via quickest route twenty-five each twenty and forty quart Jersey and thirty-two quart Iowa Milk Cans.

## MILK CANS.

BUHL RAILROAD MILK CANS AND STOCK. THE BEST AND STRONGEST MADE.



The upper parts of Buhl Stock are furnished to the tinsmith completely put together, as shown on page 178. This saves the hardest part of the work ; also much of the expense for freight, solder and rivets.

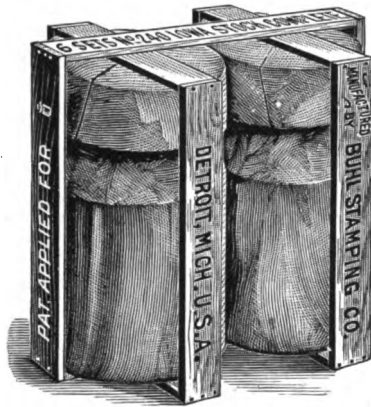
The Buhl Stock is especially adapted to the wants of tinsmiths who prefer to make up their own cans.

In construction and quality it is utterly different from Stock which does not bear the "Milk-Can" trade mark.



The Buhl Stock and Cans are rigidly inspected before shipment and on account of the careful selection, annealing and tinning of the stock, the Buhl cans will outlast those of ordinary construction.

Made from cold rolled steel, perfectly annealed and heavily tinned to a mirror finish.



Packed in crates, each containing 6 complete sets, except solder and rivets.

Package Patented Feb. 24, 1899.

The Buhl Cans are made in every known pattern and size.

In durability and cleanliness they are unequalled.

They are the only cans that will stand the *salt water test*.

Their heavy and even coating is not affected by the sea air.

It is a mistake to suppose that the durability of a milk can is determined by its weight. If it is weighted down with heavy iron hoops, or if the steel parts are thick but not properly tempered or tinned, it will break and rust out sooner than a lighter can that is properly made.

Cans with inside breast hoops or crevices inside, cannot be properly cleaned and should be avoided. Cans with unsoldered or roughly soldered seams, or with spinning marks or black spots in the coating will leak and rust and cost a great deal to repair.

Cans made up of black parts and then tinned are unfit for milk and should be condemned. The Buhl Cans are free from these faults.

Every piece is made from cold rolled steel, annealed and tinned by special processes, is warranted perfect and guaranteed not to break. It is the only stock so guaranteed.

*Unannealed stock made from tin plate is worthless.*

Every Genuine Buhl Can has the **BUHL "VICTOR" CAN BREAST.**

The essential features of this invention are :

An outside wrought iron hoop into which the steel of the breast is swedged in such a way that the hoop can never be detached. There are no rivets going through the hoop headed on the inside of the can.

A wonderfully smooth surface without the rough spinning marks and black spots common to other cans. In cleaning a rough surface the tin coating is soon rubbed off and the can rusts out.



**"VICTOR" STEEL CAN BREAST.**

Every Victor Can Breast bears this label printed in blue, and is stamped with the "Milk-Can" Trade Mark.

**BUHL NEW ROUND "VICTOR" HANDLE.**

This handle has been approved by dairymen all over the country, and is now furnished without extra charge on all patterns of Buhl Cans. It fits the hand. Notice that the ends are closed and the edges of the up-rights turned away from the hand. Other round handles, made in imitation of the "Victor," are dirt catchers, in which slime and filth are sure to gather. Blood poisoning and death have resulted from the sharp edges of other breast handles. The "Victor" handle is of ample size, very strong, and cannot be clogged with dirt. No milk can be complete without it.



The superiority of Buhl Cans has been established by long experience. They are the best known and command the highest price. Every piece of genuine Buhl Stock is tinned before the Can is put together. Cans "tinned in the black" have hidden surfaces of black metal not tinned at all, which quickly rust out. Such cans are never properly soldered, either inside or outside, and are unfit for dairy use.

Width of neck on all cans six inches, unless otherwise stated.

**BUHL IMPROVED MILK CAN STOCK.**

A set of genuine Buhl Can Stock comprises:

1. A made-up Cover.
2. Seamless Neck and Bowl and "Victor" Can Breast completely made up, with new Round Victor Breast Handles attached, as illustrated.
3. Body Sheet squared, punched, rolled and offset.
4. Double Annealed Retinned Bottom.
5. Tinned wrought iron Outside Bottom Hoop; punched, rolled and offset.

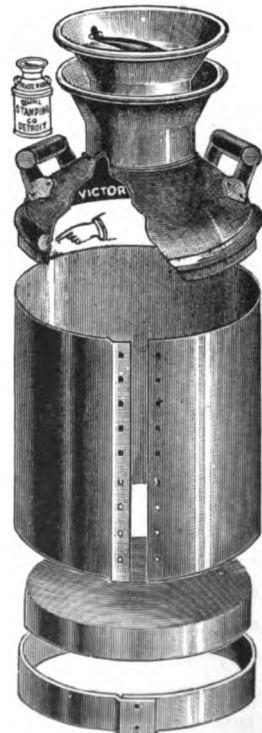
Every piece of genuine Buhl Stock is warranted not to break, and will be replaced if found defective in any particular.

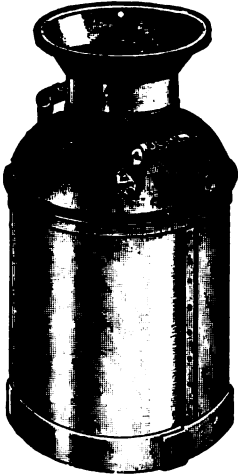
The small extra cost of this stock is repaid by the saving of time and solder in putting it together.

Four operations make the can. No expert work required.

Six sets packed complete in a patented crate. See page 177.

No trouble from mismatched or lost parts.



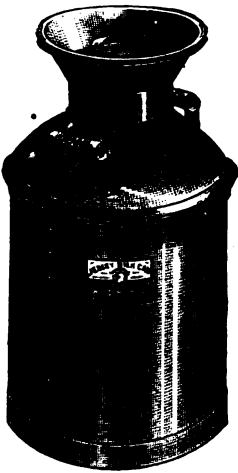
**BUHL "OHIO" MILK CANS.**

6-INCH NECK. A GOOD BUT INEXPENSIVE CAN.

These cans have the Buhl patent smooth Victor Can Breasts and new round Victor Breast Handles. They are lighter than other patterns of Buhl Cans, but are guaranteed to last longer than other cans of equal weight.

Code.....	Frabbet	Fracalot	Fracamart
Quarts.....	<b>20</b>	<b>32</b>	<b>40</b>
Height, inches.....	19½	20¼	24
Diameter, inches.....	10½	13¾	13¾
Each .....	\$2.60	2.95	3.20
Average weight each, lbs.....	12	15	16½
Shipping measurement each, cubic feet...	1 1/12	1 1/12	2 1/6

For Convex Covers add \$0.25 to above list.

**BUHL "JERSEY" MILK CANS.**

6-INCH NECK. ESPECIALLY ADAPTED FOR FARM AND WAGON USE. MADE OF STEEL.

Every part carefully annealed and tinned before the can is made up. They have the Victor Can Breast with new round Victor Breast Handles. Seamless Bowl, Neck and Cover.

The Bottom Hoop is flanged to receive the Bottom and Cylinder and protect them from injury. They are smoothly soldered within and without and cannot leak.

The Buhl Jersey Cans are guaranteed to last longer, clean easier and give better satisfaction than any other cans of equal weight.

There are no hidden, untinned black surfaces to rust out, and no square shoulders, crevices, rivet heads or spinning marks inside. There is no lost weight in these Cans, but every ounce of material is placed so as to give the greatest strength.

Code .....	Fractore	Fraccas	Fraccato
Quarts.....	<b>20</b>	<b>32</b>	<b>40</b>
Height, inches.....	19½	20¼	24
Diameter, inches .....	10½	13¾	13¾
Each.....	\$2.90	3.25	3.50
Average weight each, lbs.....	12	15	16½
Shipping measurement each, cubic feet.....	1 1/12	1 1/12	2 1/6

For Convex Covers add \$0.25 to above list.

## BUHL "DUBUQUE" MILK CANS.

6-INCH NECK.

These cans have the Buhl patent smooth Victor Can Breasts and new round Victor Breast Handles.

They are the same as the Jersey except that they are a little heavier and have an outside Bottom Hoop.

Code.....	Fracedo	Fracelone	Fracerale
Quarts.....	20	32	40
Height, inches.....	19½	20¼	24
Diameter, inches.....	10½	13¾	13¾
Each.....	\$2.95	3.30	3.55
Average weight each, lbs.....	13½	16½	18
Shipping measurement each, cubic feet..	1½	1½	2½

For Convex Covers add \$0.25 to above list.



## BUHL GENUINE "IOWA" MILK CANS.

6-INCH NECK.

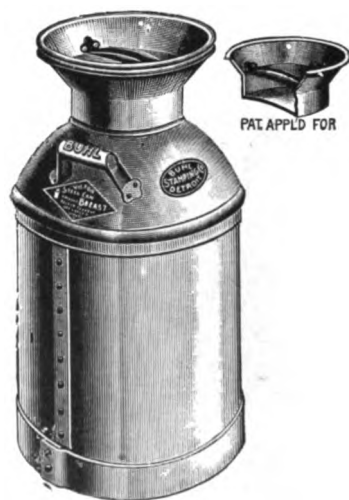
Have Victor Can Breasts, Round Victor Breast Handles and Seamless Victor Closed Bottom Steel Covers.

Cans made by manufacturers other than Buhl Stamping Co. and called "Iowa" are only imitations and are not nearly as good.

Buhl Genuine Iowa Cans will last five years without repairs.

Code.....	Frachel	Fracibis	Fracillus
Quarts.....	20	32	40
Height, inches.....	20½	21½	25
Diameter, inches.....	10½	13¾	13¾
Each.....	\$3.30	3.60	3.80
Average weight each, lbs.....	14	18½	20
Shipping measurement each, cubic feet....	1½	2	2½

For open bottom Convex Covers add \$0.25 to list.



## BUHL GENUINE "IOWA" MILK CAN STOCK.

Code.....	Fracmane	Fraconite	Fractool
Numbers.....	220	232	240
Quarts.....	20	32	40
Per set.....	\$2.75	3.12	3.30
Average weight per crate, lbs.....	80	115	124
Shipping measurement per crate, cubic feet.....	4½	7¼	7¼

Six sets in a crate.

**BUHL "DETROIT" MILK CANS.**

7-INCH NECK.

Has Seamless Victor Closed Bottom Steel Covers.

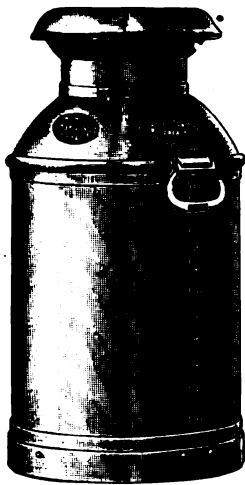
Especially recommended on account of the great strength, cleanliness and durability.

Used by the largest handlers of milk throughout the world. These cans will not break, stretch, rust or leak, and with ordinary wear *will last ten years without repairs.*

Made from the best cold rolled steel and tested under rigid inspection. Every part thoroughly annealed and tinned to a mirror finish. Heavy tinned, welded Outside Bottom Hoop, forged on its inner surface.

The bottom rests on the flange and is convex instead of concave.

Noiseless tinned Malleable Drop Side Handles.



Code.....	Fracador
Quarts.....	40
Height, inches.....	24 1/4
Diameter, inches.....	13
Each .....	\$5.35
Average weight each, lbs.....	24
Shipping measurement each, cubic feet.....	1 1/2

For Open Bottom Covers deduct \$0.25 from list.

**BUHL "DETROIT" MILK CAN STOCK.**

Code.....	Fradipos
Number .....	840
Quarts.....	40
Per set .....	\$4.25
Average weight per crate, lbs.....	156
Shipping measurement per crate, cubic feet.....	7 1/4

Six sets in a crate.

**BUHL "ST. PAUL" MILK CANS.**

4-INCH NECK.



This Can has Closed Bottom Victor Seamless Steel Cover, Seamless Breast and Neck with expanded Nozzle.

The covers fit tightly to prevent leakage and are attached to the side handle by a tinned steel chain. The breasts are protected by a patented outside wrought iron hoop. All the parts are carefully annealed and perfectly tinned. Made from the best Cold Rolled Steel. Smoothly soldered and entirely free from crevices.

Code.....	Fradonise
Gallons .....	8
Height, inches.....	18
Diameter, inches.....	9
Each .....	\$2.00
Average weight each, lbs.....	7 1/4
Shipping measurement each, cubic feet.....	3 1/3

**BUHL "ST. PAUL" MILK CAN STOCK.**

Code.....	Fragmar
Number .....	58
Gallons .....	3
Per set .....	\$1.50
Average weight per crate, lbs.....	.....
Shipping measurement per crate, cubic feet.....	.....

Twelve sets in a crate.

**H. M. & S. MILK CANS.****4-INCH NECK.**

These cans are made from the best American Tin Plate. Heavy flat tinned hoop. Tight fitting deep rimmed covers.

Code.....	Fragote	Fragwor	Frailer
Gallons.....	2	8	5
Height, inches.....	16	19½	22
Diameter, inches.....	7¾	9	10¾
Gauge of tin.....	IXX	IXXXX	IXXXX
Each .....	\$1.12½	1.30	3.75
Weight each, lbs.....	2	6	7
Shipping measurement each, cu. ft....	½	¾	1

2-gallon has no center hoop.

3-gallon with iron hoops add \$0.32½ to above list.

Chaining cover to handle add \$0.15 each.

**BUHL CITY DELIVERY MILK CANS.**

More durable and easier to clean than glass bottles.

Code.....	Framader	Framandol	Framass	Framinick	Framkap
Quarts.....	1	2	4	6	8
Height, inches.....	6¼	8¾	11½	12¼	13½
Diameter, inches.....	4¼	5	6¼	7¼	8
Neck, inches.....	2¾	3¼	4	4¼	4½
Gauge of tin.....	IXX	IXX	IXXX	IXXX	IXXXX
Each.....	\$0.76	.90	1.10	1.30	1.70
Weight each, lbs.....	¾	1	2	2½	3¼

**H. M. & S. MILK CANS—IC.****WITH SIDE HANDLES.**

Code.....	Framosi	Framscho	Francage	Franchot
Numbers.....	½	1	2	4
Quarts.....	½	1	2	4
Height, inches.....	7¾	9¼	10¼	13
Diameter, inches.....	4¼	4¼	5¾	6¾
Neck, inches.....	3	3	3¾	3¾
Per dozen .....	\$1.75	2.20	3.88	4.25
Weight per doz., lbs....	5	6	9	13

The 2 and 4-quart cans have bottom hoops.





**H. M. & S. MILK CANS—IXXXX.**

POLISHED.

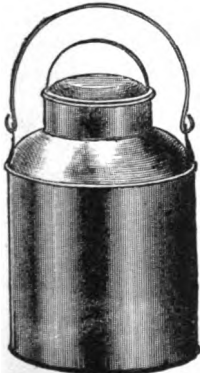
WITH SIDE HANDLES AND WITH BOTTOM HOOPS.

Code.....	Francola	Francost
Numbers.....	<b>42</b>	<b>44</b>
Quarts.....	2	4
Height, inches.....	11	13
Diameter, inches.....	5½	6¾
Neck, inches.....	3¾	3¾
Per dozen .....	\$18.00	20.00
Weight per doz., lbs.....	22	30

**MILK KETTLES—IC.**

WITH SIDE HANDLES.

Code.....	Frandar	Frاندast	Frاندell	Frاندilo
Numbers.....	<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>
Quarts.....	1	2	3	4
Height, inches.....	7½	9	10	11
Diameter, inches.....	4¼	5	5¾	6¾
Neck, inches.....	3¾	3¾	3¾	3¾
Per dozen .....	\$1.50	2.15	2.90	3.60
Weight per doz., lbs....	5	7	8½	10

**MILK KETTLES—IC.**

WITH BAILS.

Code.....	Frاندime	Frاندish	Frاندonn	Frاندope
Numbers .....	<b>011</b>	<b>021</b>	<b>031</b>	<b>041</b>
Quarts .....	1	2	3	4
Height, inches.....	7½	9	10	11
Diameter, inches.....	4¼	5	5¾	6¾
Neck, inches.....	3¾	3¾	3¾	3¾
Per dozen .....	\$1.50	2.15	2.90	3.60
Weight per doz., lbs...	5	7	8½	10

## BUHL CHEESE FACTORY CANS.

These Cans are used in the largest creameries in the United States. Their superiority is unquestioned. The cover floats up and down on the milk.

The "H" patented side handles, which are countersunk to fit over the center hoop, are a special feature of these Cans.

The cylinders are invariably made from the best "Coakley K" charcoal sheets, weighing about one pound to the square foot.

Code.....	Frandsale	Frangle	Franquita	Franulare
Gallons .....	20	30	40	50
Height, inches.....	28	28	28	30
Diameter, inches...	15½	18¾	20¾	23¾
Each .....	\$10.40	12.25	15.00	18.00
Average wt. each, lbs...	32	38	48	53
Ship. meas. each, cu. ft...	3⅓	4⅓	7¾	8

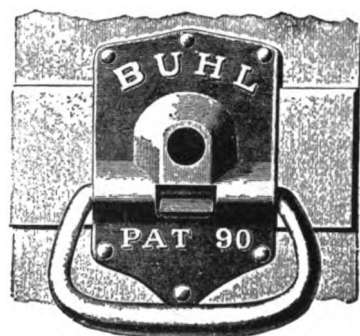
## BUHL CHEESE FACTORY CAN STOCK.

Code.....	Frasiere	Frasiene	Frasielt	Frassic
Numbers .....	520	530	540	550
Gallons .....	20	30	40	50
Per set .....	\$7.75	9.00	11.50	13.00
Wt. per crate, lbs... ..	129	156	196	213
Ship. meas. per crate, cu. ft...	5	7	8¾	10½

Four sets in a crate.

## "H" PATENT SIDE HANDLE.

This Handle is by far the best for Factory Cans. The plate is countersunk to fit over the flat center hoop, removing the strain from the cylinder. The handles strike against the hoops of adjacent cans. No rattle; no noise.



## BUHL CREAM CANS—IX.

The deep cover is made to spring over the wired edge of the top, rendering the can water and air-tight.

Code.....	Fratapon	Fraternal	Fraternize	Fratocide
Quarts.....	14	16	18	20
Height, inches.....	.....	.....	.....	.....
Diameter, inches.....	.....	.....	.....	.....
Per dozen .....	\$5.95	6.25	6.60	7.00
Wt. per doz. crated, lbs...	56	58	60	64
Ship. meas. per doz., cu. ft.	.....	.....	.....	.....

With gauge at top or bottom add \$. . . . . per dozen.

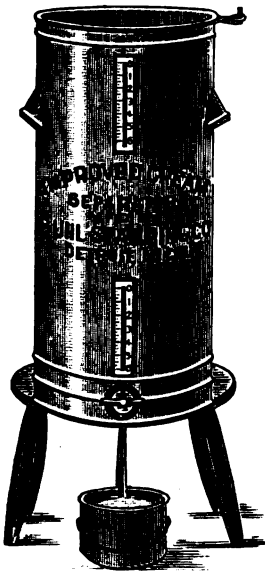
With spout faucets add \$. . . . . per dozen.

One-half dozen in a crate.



## IMPROVED JERSEY CREAM SEPARATORS.

FOR SMALL DAIRIES AND FAMILY USE.



A great improvement on the old system of setting cream in pans.

Bottoms are stamped from black steel, annealed and retinned. They are channeled and slope to the nickel-plated brass faucet, which drains the can thoroughly.

Bodies made from best "Coakley K" tin plate.

Two or three thicknesses of cheese cloth are placed over the top and fastened with the wire strainer holder; milk is poured from a strainer pail through the cloth and then diluted in warm weather, with an equal amount of water; in cold weather less water may be used. Strainer cloth is then removed and replaced with mosquito netting to keep out insects and give plenty of ventilation.

The milk and cream can be drawn off any time after two or three hours, or between milking.

Cream should be kept in a cool, sweet place and stirred often until there is enough for churning, and then warmed up to 65 or 70 degrees and kept from 12 to 24 hours to ripen. The water should not be used too cold. Milk should be drawn off slowly when cream is near the bottom. The line where cream begins is clearly shown by the mica gauges.

Code.....	Frauler	Fraulien	Fraustub
Numbers.....	1	2	3
Gallons.....	6	12	24
Number of cows.....	1 or 2	3 or 4	5 to 7
Height, inches.....	24	27	27
Diameter, inches.....	10	12	18
Each.....	\$6.00	8.00	10.50
Weight each crated, lbs.....	18	21	37
Shipping measurement each, cu. ft.....	1½	2½	10½

One in a crate.

We do not furnish the stand shown in cut.

## LETTERS AND FIGURES.

FOR MARKING MILK CANS.

COPPER. TINNED ON ONE SIDE.

Code.....	Frautal
Size, inches.....	1¾
Per hundred.....	\$1.30

**B**



## BUHL MICA CAN GAUGES.

NO GLASS TO BREAK OR CEMENT TO CRACK.

LIE FLUSH WITH SURFACE OF CAN. WILL NOT LEAK.

Code.....	Frauthof	Frautklid
Size, inches.....	6	8
Per dozen.....	\$1.60	2.20

**BUHL SPOUT FAUCETS.**

DISCHARGE RAPIDLY. ARE LEAK PROOF.

CAN BE CLEANED IN A MOMENT. EASY TO PUT IN.

Code ..... Frautmess  
 Size, inches.....  
 Per dozen ..... \$2.00

**MILK CAN COVERS.**

OPEN BOTTOMS. CONCAVE TOPS.

FOR OHIO, DUBUQUE, JERSEY AND IOWA CANS.

Code..... Frautput  
 Number..... 6  
 Neck, inches..... 6  
 Each..... \$0.75  
 Weight each, lbs.....

**MILK CAN COVERS.**

OPEN BOTTOMS. CONVEX TOPS.

FOR OHIO, DUBUQUE, JERSEY, IOWA AND DETROIT CANS.

Code.....	Frautrink	Frautput
Numbers .....	66	77
Neck, inches.....	6	7
Each.....	\$1.05	1.50
Weight, each, lbs.....		

No. 66 fits all but Detroit. No. 77 fits Detroit only.

**DEEP CREAM CAN OR  
SETTER COVERS—IX.**

Code..... Fraying  
 Size, inches..... 8½  
 Per dozen..... \$0.85  
 Weight per doz., lbs.....

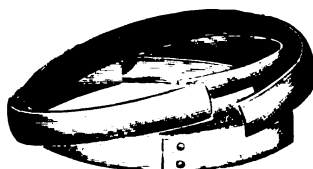
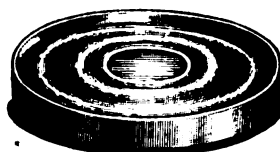
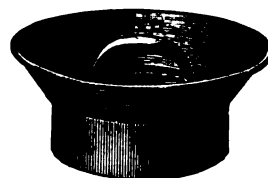
**CREAM CANS OR SETTER  
BOTTOMS—IX.**

Code..... Frayler  
 Size, inches..... 8½  
 Per dozen..... \$0.75  
 Weight per dozen, lbs.....

**MILK CAN HOOPS.**

IRON. TINNED.

Code..... Frazados  
 Gallons .....
 8 || Diameter, inches..... | 9 |
| Per set of three ..... | \$0.60 |
| Weight per set, lbs..... | 1½ |



## SECTION 7.

POLISHED AND NICKEL-PLATED  
COPPER WARE.



HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK.

## POLISHED AND NICKEL-PLATED COPPER WARE.

In this section are shown a few of the most salable staple articles called for by the trade.

Estimates will be promptly furnished for Plain or Nickel-Plated Copper goods of any description including Surgeons' Sterilizing Apparatus, etc., on receipt of sketch with description and specifications. We have facilities for turning out the best class of this kind of work.

In ordering goods by telegraph from this section it is only necessary to use the code word over the number or size of the article wanted preceded by words from the code in front of this book.

Example: Crocifere abanican frecort.

Translation: Ship by express immediately one number one hundred and sixty-four Nickel-Plated Chafing Dish.



### H. M. & S. COPPER WASH BOILERS.

16-OZ. PLANISHED COPPER. FLAT BOTTOMS. TINNED INSIDE. STAMPED TIN COVERS.

Code .....	Frazalet	Frazonard	Freaker
Numbers .....	<b>700</b>	<b>800</b>	<b>900</b>
Inches .....	9½x20	11x21	11¼x22½
Each .....	\$6.50	7.50	8.50
Weight each, lbs.....	7	8½	10

For shipping weights and measurements see page 137.



### COPPER WASH BOILERS.

14-OZ. PLANISHED COPPER. FLAT BOTTOMS. TINNED INSIDE. STAMPED TIN COVERS.

Code .....	Freakshow	Frechart	Freckand
Numbers .....	<b>0700</b>	<b>0800</b>	<b>0900</b>
Inches .....	11x20	11½x21	12x23
Each .....	\$3.60	3.75	3.95
Weight each, lbs.....	7	8	9

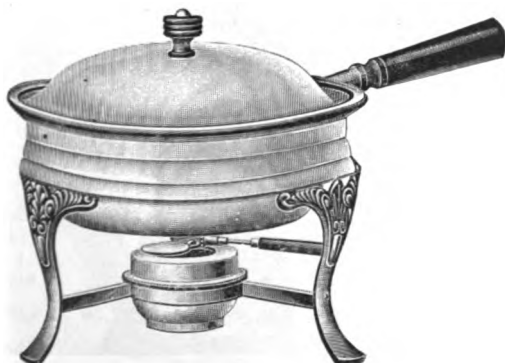
For shipping weights and measurements see page 137.



### CHAFING DISHES.

PLANISHED COPPER, NICKEL-PLATED. PERFECTION REGULATING LAMPS.

Code .....	Frecort
Number .....	<b>164</b>
Pints.....	3
Diameter, inches.....	9½
Each.....	\$12.00
Weight each, lbs.....	9



### CHAFING DISHES.

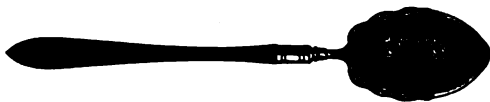
PLANISHED COPPER, NICKEL-PLATED. ASBESTOS LAMPS.

Code .....	Fredale
Number.....	<b>198</b>
Pints.....	3
Diameter, inches .....	9½
Each.....	\$10.00
Weight each, lbs.....	9

**CHAFING DISH SPOONS.**

QUADRUPLE SILVER-PLATED. EBONY HANDLES.

Code .....	Fredost
Number.....	<b>1050</b>
Inches .....	12
Each .....	\$1.80

**CHAFING DISH FORKS.**

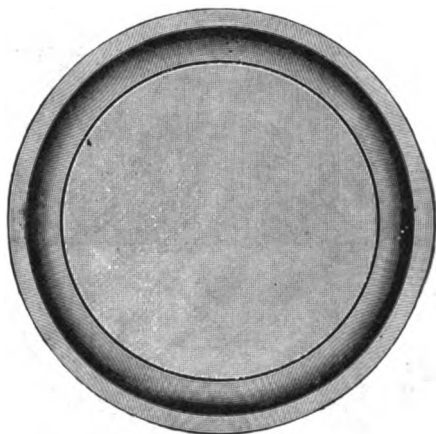
QUADRUPLE SILVER-PLATED. EBONY HANDLES.

Code .....	Freedman
Number.....	<b>1050</b>
Inches .....	12
Each .....	\$1.80

**CHAFING DISH TRAYS.**

COMPOSITE HARD METAL, NICKEL-PLATED.

Code .....	Freedom
Number.....	<b>112</b>
Diameter, inches.....	12
Each .....	\$1.25
Weight each, lbs.....	1¼

**BAKING DISHES.**

PORCELAIN LININGS. COMPOSITE METAL, NICKEL-PLATED.

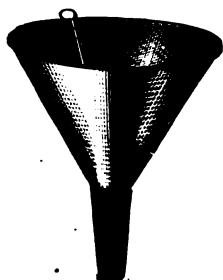


Code .....	Freekalt	Freewin
Numbers.....	<b>178</b>	<b>174</b>
Pints .....	3	4
Diameter, inches.....	7¼	8½
Each .....	\$2.50	3.00
Weight each, lbs.....	2¼	2¾



**H. M. & S. COPPER FUNNELS.**

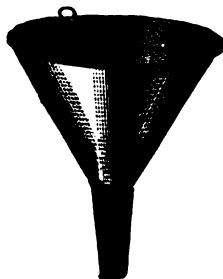
HEAVY PLANISHED COPPER. TINNED INSIDE.



Code.....	Fregastis	Fregatio	Fregmate
Numbers .....	<b>10</b>	<b>20</b>	<b>80</b>
Pint.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Diameter, inches.....	$2\frac{3}{4}$	4	$4\frac{1}{4}$
Per dozen.....	\$3.50	5.20	5.50
Weight per doz., lbs.....	$\frac{3}{4}$	$1\frac{1}{4}$	2
Code .....	Freidel	Freidling	Freigold
Numbers .....	<b>40</b>	<b>50</b>	<b>60</b>
Quarts.....	1	2	4
Diameter, inches .....	$5\frac{1}{4}$	8	$8\frac{3}{4}$
Per dozen .....	\$10.50	16.50	21.00
Wt. per doz., lbs.....	3	$6\frac{1}{4}$	8

**COPPER FUNNELS.**

HEAVY POLISHED COPPER. TINNED INSIDE.



Code .....	Freinad	Freinlost	Freislung
Numbers .....	<b>010</b>	<b>020</b>	<b>080</b>
Pint.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Diameter, inches .....	$2\frac{3}{4}$	$3\frac{1}{2}$	$4\frac{1}{2}$
Per doz.....	\$.....	2.70	3.20
Weight per doz., lbs.....	$\frac{1}{2}$	1	$1\frac{1}{2}$
Code .....	Freitast	Freithor	Freitlach
Numbers .....	<b>040</b>	<b>050</b>	<b>060</b>
Quarts.....	1	2	4
Diameter, inches.....	$5\frac{1}{2}$	$6\frac{3}{4}$	8
Per doz.....	\$5.40	7.50	9.70
Weight per doz., lbs.....	2	3	4

**COPPER RANGE TEA KETTLES.**

FLAT BOTTOMS. POLISHED COPPER. TINNED INSIDE.



Code .....	Freiwink	Fremonte	Frendick
Numbers.....	<b>06</b>	<b>07</b>	<b>08</b>
Quarts .....	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Bottom, inches.....	$6\frac{3}{4}$	$7\frac{3}{4}$	$8\frac{1}{4}$
Per dozen.....	\$9.00	10.00	11.00
Weight per doz., lbs.....	12	15	16

One in a paper box.

**COPPER RANGE TEA KETTLES.**

FLAT BOTTOMS. NICKEL-PLATED COPPER. TINNED INSIDE.



Code .....	Frennico	Fresager	Frescian
Numbers .....	<b>06N</b>	<b>07N</b>	<b>08N</b>
Quarts .....	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Bottom, inches.....	$6\frac{3}{4}$	$7\frac{3}{4}$	$8\frac{1}{4}$
Per dozen.....	\$10.75	11.85	12.90
Weight per doz., lbs.....	12	15	16

One in a paper box.

**COPPER TEA KETTLES.**

FLAT BOTTOMS. 14-OZ. POLISHED COPPER. TINNED  
INSIDE.

Code .....	Fresicate	Fresille	Fresling
Numbers.....	<b>07</b>	<b>08</b>	<b>09</b>
Quarts .....	6	7	9
Diameter, inches.....	8½	9½	10½
Per dozen.....	\$18.00	22.00	.....
Wt. per doz. packed, lbs.....	68	70	74
Ship. meas. per doz., cu. ft.....	6⅝	7⅝	8⅝

One-half dozen in a case.

**COPPER TEA KETTLES.**

FLAT BOTTOMS. 14-OZ. NICKEL-PLATED COPPER.  
TINNED INSIDE.

Code .....	Fretter	Frezele	Frezeltg
Numbers.....	<b>07N</b>	<b>08N</b>	<b>09N</b>
Quarts.....	6	7	9
Diameter, inches .....	8½	9½	10½
Per dozen.....	\$18.00	20.00	22.00
Wt. per doz. packed, lbs.....	68	70	74
Ship. meas. per doz., cu. ft.....	6⅝	7⅝	8⅝

One-half dozen in a case.

**COPPER TEA KETTLES.**

FLAT BOTTOMS. NICKEL-PLATED COPPER. FLUTED  
SPOUTS. TINNED INSIDE.

Code .....	Frezzoli	Friacon	Frianot
Numbers .....	<b>071N</b>	<b>081N</b>	<b>091N</b>
Quarts.....	6	7	9
Diameter, inches.....	8½	9½	10½
Per dozen.....	\$18.00	20.00	22.90
Wt. per doz. packed, lbs.....	48	52	54
Ship. meas. per doz., cu. ft.....	6⅝	7⅝	8⅝

One-half dozen in a case.



## H. M. & S. COPPER LIQUID MEASURES.

HEAVY. PLANISHED COPPER. TINNED INSIDE.  
CAPACITY GUARANTEED.



Code .....	Fribone	Frickla	Fricoller
Numbers .....	<b>10</b>	<b>20</b>	<b>30</b>
Pint .....	$\frac{1}{4}$	$\frac{1}{2}$	1
Bottom diameter, inches .....	$2\frac{1}{4}$	$2\frac{3}{4}$	$3\frac{1}{2}$
Height, inches.....	$2\frac{1}{2}$	3	$4\frac{3}{8}$
Per dozen.....	\$9.00	10.50	18.00
Weight per dozen, lbs.....	$1\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$
Code .....	Fridality	Fridges	Fridless
Numbers .....	<b>40</b>	<b>50</b>	<b>60</b>
Quarts .....	1	2	4
Bottom diameter, inches .....	$4\frac{1}{4}$	$5\frac{1}{2}$	$6\frac{1}{4}$
Height, inches.....	$5\frac{7}{8}$	$7\frac{1}{8}$	$9\frac{3}{8}$
Per dozen.....	\$24.00	30.00	42.00
Weight per dozen, lbs.....	5	$6\frac{1}{2}$	11

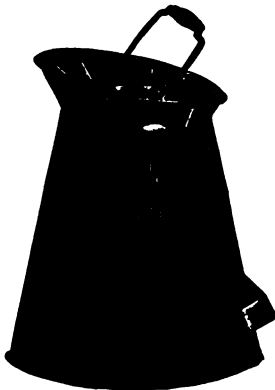
1, 2 and 4-quart have bossed handles.

## COPPER LIQUID MEASURES.

POLISHED COPPER. TINNED INSIDE.  
U. S. STANDARD.



Code .....	Fridore	Friesche	Frigadel
Numbers .....	<b>010</b>	<b>020</b>	<b>030</b>
Pint .....	$\frac{1}{4}$	$\frac{1}{2}$	1
Bottom diameter, inches .....	$2\frac{1}{4}$	$2\frac{3}{4}$	$3\frac{1}{2}$
Height, inches.....	$2\frac{1}{2}$	$3\frac{1}{4}$	$4\frac{3}{8}$
Per dozen.....	\$3.25	4.30	5.90
Weight per dozen, lbs.....	1	2	3
Code .....	Frigadore	Frigantin	Frigatelle
Numbers .....	<b>040</b>	<b>050</b>	<b>060</b>
Quarts .....	1	2	4
Bottom diameter, inches .....	$4\frac{1}{2}$	$5\frac{1}{4}$	$6\frac{1}{2}$
Height, inches.....	$5\frac{1}{2}$	$7\frac{1}{8}$	$8\frac{3}{8}$
Per dozen.....	\$8.60	12.90	19.40
Weight per dozen, lbs.....	4	6	10



## H. M. & S. COPPER WINE MEASURES.

16-OZ. PLANISHED COPPER. TINNED INSIDE. EXTRA  
HEAVY. BRACED BOTTOMS.

Code .....	Frigavat	Frighera	Frighten
Numbers .....	<b>21</b>	<b>31</b>	<b>51</b>
Gallons .....	2	3	5
Bottom diameter, inches .....	10	11	13
Height, inches.....	10	$11\frac{1}{8}$	$13\frac{3}{4}$
Each .....	\$7.00	10.00	13.00
Weight each, lbs....	$3\frac{1}{2}$	$5\frac{1}{2}$	7

**COPPER COFFEE POTS.**

NICKEL-PLATED COPPER. TINNED INSIDE. PATENT  
COLD HANDLES.

Code.....	Frighsum	Frighon	Frigoban	Frikzeil	Frilend
Numbers .....	<b>081</b>	<b>041</b>	<b>051</b>	<b>061</b>	<b>081</b>
Pints .....	3	4	5	6	8
Bottom diameter, in.	5	5½	5¾	6¾	6¾
Height, inches	6½	7	7½	8	8½
Per dozen .....	\$9.70	10.75	11.85	12.90	15.10
Wt. per dozen, lbs..	16	18	22	27	29

**COPPER TEA POTS.**

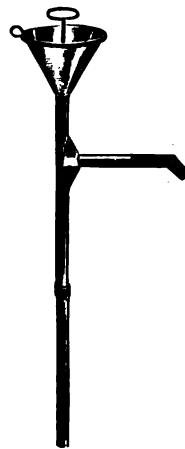
NICKEL-PLATED COPPER. TINNED INSIDE. PATENT  
COLD HANDLES.

Code.....	Frilgate	Frilkrud	Frillamo	Frillera	Frincaro
Numbers .....	<b>022</b>	<b>082</b>	<b>042</b>	<b>052</b>	<b>062</b>
Pints .....	2	3	4	5	6
Bottom diameter, in.	4½	5	5¾	5¾	6¾
Height, inches	5¾	6½	7	7½	8
Per dozen .....	\$8.60	9.70	10.75	11.85	12.90
Wt. per dozen, lbs..	17	19	20	22	27

**H. M. & S. COPPER LIQUOR  
PUMPS.**

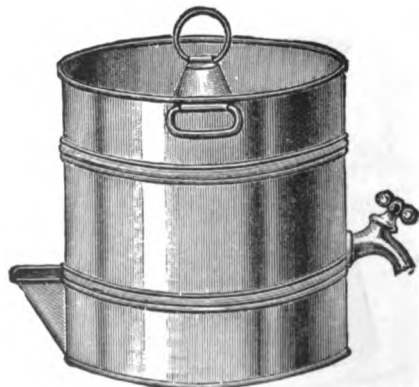
HEAVY PLANISHED COPPER. TINNED INSIDE. GALVAN-  
IZED PLUNGER AND BOTTOM VALVES.  
LEATHER PACKED.

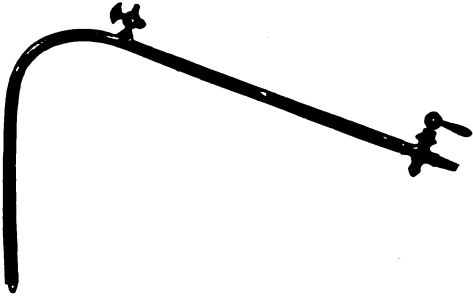
Code .....	Frindillo
Length, inches.....	<b>40</b>
Diameter, inch.....	<b>1</b>
Each .....	<b>\$8.00</b>
Weight each, lbs.....	<b>2½</b>

**COPPER WATER STILL.**

NICKEL-PLATED COPPER. TINNED INSIDE.

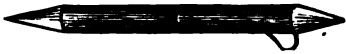
Code.....	Frioletti
Capacity, gallon.....	<b>1</b>
Diameter, inches .....	<b>9½</b>
Height, inches.....	<b>10</b>
Each.....	<b>\$5.00</b>
Weight each, loose, lbs.....	<b>3½</b>



**H. M. & S. LIQUOR SIPHONS.**

HEAVY PLANISHED COPPER. TINNED INSIDE.  
WITH STARTING COCKS.

Code.....	Frisset
Feet.....	2x3
Diameter, inch.....	1
Each.....	\$10.00
Weight each, lbs.....	1¼

**H. M. & S. LIQUOR THIEVES.**

HEAVY PLANISHED COPPER. TINNED INSIDE.  
WITH SIDE HANDLES.

Code.....	Friquet	Fritsend
Length, inches.....	17½	23½
Diameter, inch.....	1	1
Each.....	\$3.50	3.50

**BAR URNS WITH TRAY.**

POLISHED COPPER. TINNED INSIDE.

Code.....	Friziness	Frizoman
Numbers.....	2	8
Gallons.....	2	3
Diameter, inches.....	9	10¼
Height, inches.....	15	17
Each.....	\$10.50	13.00
Weight each, lbs.....	3¼	4¼

**BAR URNS WITH TRAY.**

NICKEL-PLATED COPPER. TINNED INSIDE.

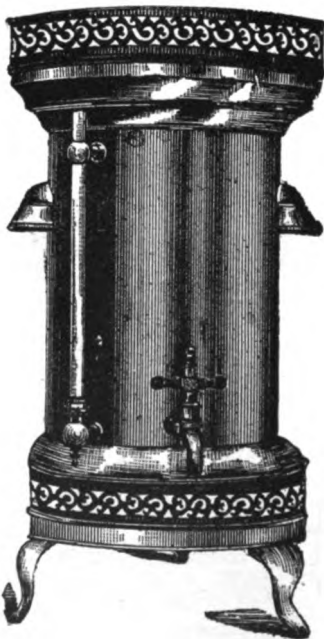
Code.....	Frocadero	Frocardi
Numbers .....	<b>2 N</b>	<b>3 N</b>
Gallons.....	2	3
Diameter, inches.....	9	10 1/4
Height, inches.....	15	17
Each.....	\$12.00	15.00
Weight each, lbs.....	3 1/2	4 1/4



**BAR URNS WITH TRAY AND CAUCE.**

NICKEL-PLATED COPPER. TINNED INSIDE.

Code.....	Frocatel	Frochadur
Numbers .....	<b>22 N</b>	<b>33 N</b>
Gallons.....	2	3
Diameter, inches.....	9 1/2	10 1/4
Height, inches.....	18	20
Each .....	\$16.00	18.00
Weight each, lbs.....	5	6



## SECTION 8.

### JAPANNED WARE.



# HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK.

## JAPPANNED WARE.

The following section illustrates our line of Jappanned Ware, and we aim at all times to carry goods of up-to-date design and unequaled finish.

In ordering these goods by telegraph it is only necessary to use the code word over the number or size of the article wanted preceded by words from the code in the front of this book.

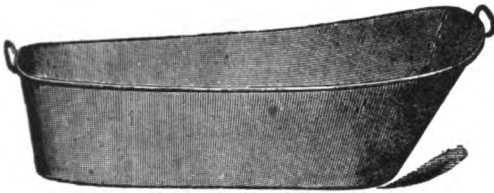
Example: Cubia acibero each gabillon gagolare galafray.

Translation: Ship via Santa Fe Railroad two and one-half dozen each number two Jappanned Cash Boxes number four Dust Pans and Twin Match Safes.



**INFANT BATHS.**

GREEN.



Code.....	Gaalber	Gaalish	Gaatzuch
Numbers .....	<b>1</b>	<b>8</b>	<b>5</b>
Top length, inches.....	27	33	40
Per dozen .....	\$15.10	21.50	30.10
Weight per crate, lbs.....	47	71	102
Shipping measurement per crate, cu. ft.	7 $\frac{1}{2}$	9 $\frac{3}{4}$	16 $\frac{1}{2}$

One dozen in a crate.

**H. M. & S. HIP BATHS.**

MADE OF ZINC. OAK OUTSIDE. SKY BLUE INSIDE.

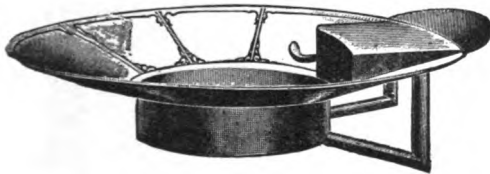


Code.....	Gabacte	Gabadour	Gabatam
Numbers .....	<b>1</b>	<b>2</b>	<b>8</b>
Largest diameter, inches.....	22	24	29
Height, inches.....	25	25	31
Each .....	\$8.00	9.50	10.00
Weight per crate, lbs.....	55	60	73
Shipping measurement per crate, cu. ft....	5 $\frac{1}{2}$	6 $\frac{3}{4}$	12

One in a crate.

**H. M. & S. SPONCE BATHS.**

GREEN.

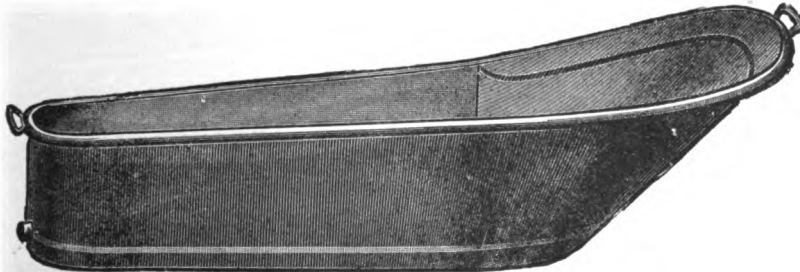


Code.....	Gabayot
Number .....	<b>4</b>
Top diameter, inches.....	38
Height, inches.....	10 $\frac{1}{2}$
Each.....	\$6.75
Weight per crate, lbs.....	55
Shipping measurement per crate, cubic feet.....	3

One in a crate.

**H. M. & S. PLUNCE BATHS.**

ZINC.



JAPANNED GREEN.

Code.....	Gabbale	Gabbelko
Feet .....	<b>5<math>\frac{1}{2}</math></b>	<b>6</b>
Width, inches.....	29	31
Height, inches.....	18 $\frac{1}{2}$	19 $\frac{1}{2}$
Each .....	\$10.50	11.00
Weight per crate, lbs.....	82	99
Shipping measurement per crate, cubic feet...	22	27

PLAIN.

Code.....	Gabbler	Gabblish
Feet .....	<b>5<math>\frac{1}{2}</math></b>	<b>6</b>
Width, inches.....	29	31
Height, inches.....	18 $\frac{1}{2}$	19 $\frac{1}{2}$
Each .....	\$13.50	14.00
Weight per crate, lbs.....	85	104
Shipping measurement per crate, cubic feet...	22	27

**H. M. & S. WATER BOTTLES.**

SPUN ZINC. JAPANNED OAK.

Code .....	Gabbuno
Quarts.....	8
Largest diameter, inches.....	4
Height, inches.....	10
Per dozen .....	\$16.00
Weight per doz., lbs.....	11

One in a package.

**ROUND CAKE BOXES.**

RAISED COVERS. JAPANNED BROWN.

Code.....	Gabbuscor	Gabeandi	Gabeart
Numbers .....	1	2	3
Diameter, inches.....	10½	11½	12½
Per dozen .....	\$7.00	8.10	9.70
Weight per case, lbs.....	55	60	67

One dozen in a case.

**SQUARE BREAD BOXES—IC.**

JAPANNED BROWN.

Code.....	Gabeasem	Gabelick
Numbers .....	12	18
Inches .....	13½x9½x9¼	15x11x10
Per dozen .....	\$8.60	10.25
Weight per case, lbs.....	61	78
Shipping measurement per case, cubic feet...	10¼	14½

Code.....	Gabelism	Gabelote
Numbers .....	14	15
Inches .....	17x12x10½	19x13½x10½
Per dozen .....	\$11.85	13.45
Weight per case, lbs.....	85	115
Shipping measurement per case, cubic feet	18¾	22¼

One dozen in a case.

**SQUARE CAKE BOXES—IC.**

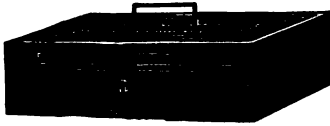
JAPANNED BROWN.

Code.....	Gaberiet	Gabeur
Numbers .....	12	18
Inches .....	13½x9½x9¼	15x11x10
Per dozen .....	\$8.60	10.25
Weight per case, lbs.....	61	78
Shipping measurement per case, cubic feet...	10¼	14½

Code.....	Gabiano	Gabichor
Numbers .....	14	15
Inches .....	17x12x10½	19x13½x10½
Per dozen .....	\$11.85	\$13.45
Weight per case, lbs.....	85	115
Shipping measurement per case, cubic feet	18¾	22¼

One dozen in a case.



**BOND BOXES.**

WITH LOCKS AND SUNK HANDLES. JAPANNED  
BLACK. GOLD STRIPED.

Code.....	Gabichone	Gabiecos
Numbers.....	<b>01</b>	<b>02</b>
Inches.....	10½x5¼x2¾	10½x5¼x4
Per dozen.....	\$8.10	9.15
Weight per doz., lbs.....	12	14

One in a package.

**CASH BOXES.**

WITH LOCKS AND SUNK HANDLES. JAPANNED  
BLACK. GOLD STRIPED.

Code.....	Gabillera	Gabillet	Gabillon
Numbers.....	<b>0</b>	<b>1</b>	<b>2</b>
Inches.....	8½x5¼x3¼	9½x6¼x3¾	10½x7½x4½
Per dozen.....	\$7.55	8.60	9.70
Wt. per doz., lbs.....	12	15	18

Code.....	Gabiloner	Gabioler
Numbers.....	<b>3</b>	<b>4</b>
Inches.....	11½x8½x5	13½x9½x5¾
Per dozen.....	\$10.75	12.40
Weight per doz., lbs.....	21	26

One in a package.

**CASH BOX TRAYS.**

COVERED. JAPANNED BLACK.

Code.....	Gabirosar	Gabish	Gablator	Gabokig	Gabordas
Numbers.....	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Inches.....	8½	9½	10½	11½	13½
Per dozen.....	\$.....	.....	.....	7.50	8.50
Wt. per doz., lbs....	6	10½	12	16½	21

**"ACME" COMBINATION CASH BOXES.**

HEAVY. BRONZED IN RICH GOLD. 50 NUMBERS ON  
DIAL. 3-NUMBER COMBINATION. UNLIMITED  
CAPACITY FOR RADICAL CHANGES.

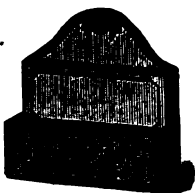
Code.....	Gaboseba	Gabosemos
Numbers.....	<b>11</b>	<b>22</b>
Inches.....	9½	10½
Per dozen.....	\$29.00	30.00
Weight per doz., lbs.....	18¼	21¼

One in a package.

**BILL HEAD BOXES.**

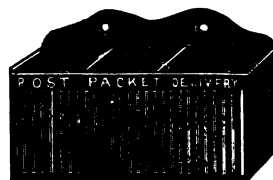
JAPANNED BLACK.

Code.....	Gabosendo	Gaboseart	Gabosease
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
Parts.....	1	2	3
Per dozen.....	\$4.50	6.00	8.00
Weight per doz., lbs.....	4½	9	16



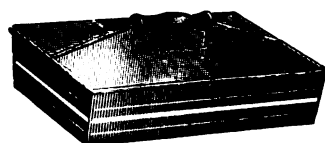
**POST-OFFICE BOXES.****JAPANNED BLACK.**

Code.....	Gabosille	Gaboucar	Gabouinor
Numbers.....	<b>11</b>	<b>12</b>	<b>18</b>
Parts.....	1	2	3
Inches.....	5x5½	8¼x5½	10¼x5½
Per dozen.....	\$4.30	6.00	7.00
Weight per doz., lbs.....	8	10½	16½

**KNIFE BOXES.****OPEN. JAPANNED BROWN. SQUARE CORNERS.**

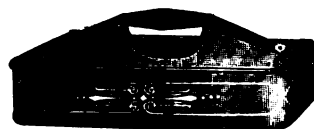
Code.....	Gabouvis
Number.....	<b>1</b>
Inches.....	8½x13½x2¾
Per dozen.....	\$6.50
Weight per doz., lbs.....	12

Two in a package.

**KNIFE BOXES.****OPEN. JAPANNED BROWN. ROUND CORNERS.**

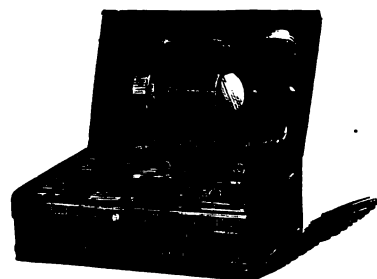
Code.....	Gabuchase
Number.....	<b>2</b>
Inches.....	8¼x12½x2½
Per dozen.....	\$8.00
Weight per doz., lbs.....	12

Two in a package.

**SQUARE SPICE BOXES.****COVERED. SQUARE INSIDE BOXES. JAPANNED BROWN.**

Code.....	Gabulim
Number.....	<b>1</b>
Inches.....	9½x6¼
Per dozen.....	\$9.70
Weight per doz., lbs.....	19

One in a package.

**CREAM CITY FLOUR BINS AND SIFTERS.****HEAVY TIN. PATENT DETACHABLE SHIELDS. JAPANNED BROWN.**

The accompanying cut illustrates the arrangement of our Cream City Flour Bin and Sifter, which is the best and only perfect Flour Bin and Sifter made.

The Rotary Agitator is protected by a Patent Detachable Shield that prevents the flour from clogging, packing or choking, which is often the case with other bins.

Every Bin is provided with a heavy Retinned Handled Receiving Pan.

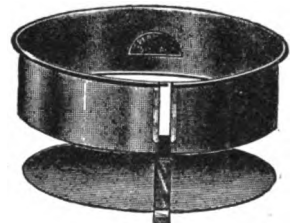
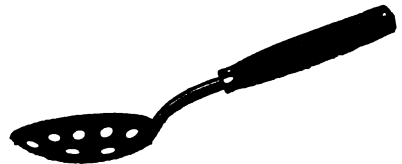
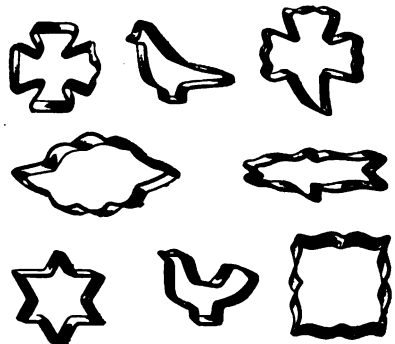
Code.....	Gabugeme
Capacity lbs.....	<b>50</b>
Inches.....	27½x13
Each.....	\$2.75
Weight per crate, lbs.....	10
Shipping measurement per crate, cubic feet.....	3¾

One in a crate.



**CREAM CITY BAKING SETS.**

Flour Bin.

Cake Pan,  $8\frac{3}{4} \times 11\frac{1}{2} \times 1\frac{1}{2}$ .Sponge Cake Pan,  $4\frac{1}{2} \times 9\frac{1}{2} \times 2\frac{3}{4}$ .Bread Pan,  $5\frac{3}{4} \times 9\frac{1}{2} \times 3\frac{1}{4}$ .Jelly Plates,  $9 \times 1$ .Jelly Plates,  $8\frac{1}{2} \times 1$ .Grater,  $3\frac{3}{4} \times 7\frac{1}{2}$ .Spring Cake Form,  $9\frac{1}{4} \times 2\frac{3}{4}$ .Spoon,  $10\frac{1}{2}$  inches long.Cup,  $2\frac{3}{4} \times 3$ .Dredge,  $2\frac{3}{4} \times 3\frac{3}{4}$ .

Cake Cutters.

Set consists of—

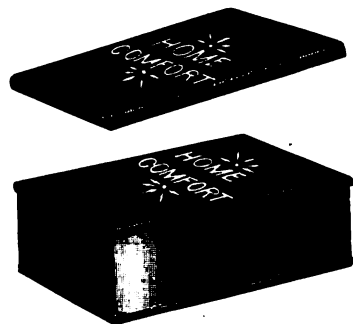
- One 50-pound japanned Flour Bin and Sifter.
- Three extra heavy Bread Pans.
- One extra heavy Cake Pan.
- One extra heavy Sponge Cake Pan.
- Two extra heavy loose bottom round Jelly Cake Pans.
- Two extra heavy loose bottom square Jelly Cake Pans.
- One extra heavy Spring Cake Form.
- One extra heavy Double Grater.
- One extra heavy Cake Spoon.
- One extra heavy Measuring Cup.
- One extra heavy Egg Churn.
- One extra heavy Dredge Box.
- Eight extra heavy fancy Cake Cutters.

Code.....	Gabusch
Each .....	\$6.00
Weight each, crated, lbs.....	18
Shipping measurement each, cubic feet.....	$3\frac{3}{4}$

**FOLDING LUNCH BOXES.**

JAPANNED BROWN.

Code .....	Gabylot
Number .....	2
Inches .....	8¼ x 4¼ x 2½
Per dozen .....	\$4.30
Weight per dozen, lbs.....	5½
One-half dozen in a package.	

**PEPPER BOXES.**

JAPANNED BROWN.

Code .....	Gacabes	Gadage
Numbers .....	15	25
Inches .....	1½ x 2½	1¾ x 3
Per dozen .....	\$0.30	.35
Weight per dozen, lb.....	½	1
One-half dozen in a package.		

**DREDGE BOXES.**

JAPANNED BROWN.

Code.....	Gadalido	Gadaloca
Numbers .....	01	02
Inches .....	2¾ x 3	3 x 3¾
Per dozen .....	\$0.60	.70
Weight per dozen, lbs.....	1½	2¼
One-half dozen in a package.		

**COFFEE CANISTERS.**

JAPANNED BROWN. HINGED COVERS.

Code .....	Gadamic	Gadanor	Gadart
Numbers .....	21	22	23
Pounds .....	1	2	3
Diameter, inches .....	4¼	5½	6¼
Per dozen .....	\$1.45	2.10	2.70
Weight per dozen, lbs.....	3	6	8

**TEA CANISTERS.**

JAPANNED BROWN. HINGED COVERS.

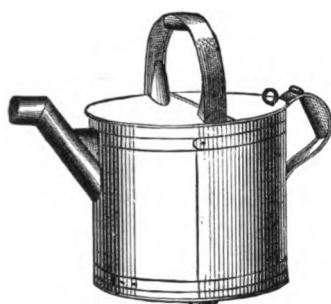
Code.....	Gadaub	Gadbrok	Gadder
Numbers .....	31	32	33
Pounds .....	1	2	3
Diameter, inches.....	4¼	5½	6¼
Per dozen .....	\$1.45	2.10	2.70
Weight per dozen, lbs.....	3	6	8



**OVAL WATER CARRIERS.**

JAPANNED RED.

Code .....	Gadekap
Number.....	<b>160</b>
Quarts.....	4
Top measurement, inches.....	7x5½
Height, inches.....	5¾
Per dozen.....	<b>\$12.50</b>
Weight per dozen, lbs.....	12

**OVAL WATER CARRIERS.**

15-QUART. JAPANNED OAK.

Code.....	Gadekess	Gadelebe
	<b>IX</b>	<b>IXXXX</b>
Top measure, inches.....	11½x8½	12x8¾
Height, inches.....	11	11¾
Per dozen.....	<b>\$25.00</b>	<b>45.00</b>
Weight per doz., lbs.....:	39	69

**TOILET WATER CARRIERS.**

FANCY JAPANNED.

Code.....	Gadelute
Quarts.....	8
Bottom diameter, inches.....	9½
Top diameter, inches.....	8¾
Height, inches.....	10¾
Per dozen .....	<b>\$7.55</b>
Weight per doz. lbs.....	21

**MOLASSES CUPS.**

WITH BOWL BOTTOMS. JAPANNED BROWN.

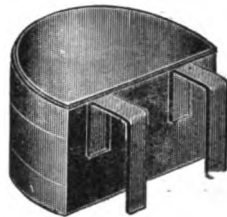
Code .....	Gademag	Gademuld	Gadeplat
Numbers.....	<b>10</b>	<b>20</b>	<b>80</b>
Pints.....	1	2	4
Inches .....	3¾x5¼	4¼x6½	4½x8
Per dozen.....	<b>\$1.45</b>	1.80	6.00
Wt. per doz., lbs.....	2½	4	7

One-half dozen in a package.

**H. M. & S. BERTH CUPS.**

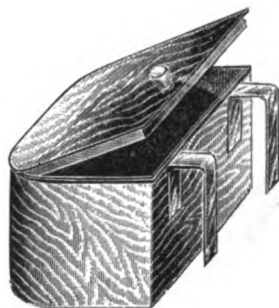
OPEN. JAPANNED GREEN.

Code.....	Gadepup
Number .....	1
Top measurement, inches.....	5x7¼
Height, inches.....	4
Per dozen .....	\$6.00
Weight per doz., lbs.....	9

**H. M. & S. BERTH CUPS.**

COVERED. JAPANNED OAK.

Code.....	Gaderlay
Number .....	2
Top measurement, inches.....	5x7¼
Height, inches.....	4
Per dozen.....	\$8.00
Weight per dozen, lbs.....	12

**TOY CUPS.**

STRAIGHT. ASSORTED COLORS.

Code .....	Gadeschur	Gadesint
Numbers.....	2	8
Diameter, inches.....	2¼	3
Height, inches.....	1½	1¾
Per dozen.....	\$0.50	.60
Weight per doz., lbs.....	1	1½

One dozen in a package.

**TUMBLER DRAINERS.**

WITH PERFORATED DRAINERS.

Code.....	Gadesome	Gadestul
Numbers.....	1	2
Inches .....	11 ⅝ x 7 ¾ x 1 ½	11 ⅝ x 8 ¾ x 2
Per dozen.....	\$6.50	9.25
Weight per doz., lbs.....	12	14
Code .....	Gadestund	Gadewan
Numbers.....	8	4
Inches .....	13 ¼ x 9 ¼ x 2	16 ¼ x 10 ¼ x 2
Per dozen.....	\$13.00	15.00
Weight per doz., lbs.....	18	22

One in a package.





**WATER COOLERS.**

ASSORTED COLORS. NICKEL-PLATED LEVER FAUCETS.  
SIDE HANDLES. GALVANIZED IRON RESERVOIRS.  
SOLID FILLED WALLS.

Code.....	Gadewass	Gadezug	Gadichor	Gadillo	Gadiner
Numbers.....	<b>02</b>	<b>08</b>	<b>04</b>	<b>06</b>	<b>08</b>
Gallons.....	2	3	4	6	8
Diameter, in...	9	10	11	12½	13¾
Each.....	\$2.15	2.70	3.30	3.75	5.00
Wt. per case, lbs...	14	20	26	32	45
Ship. meas., cu. ft..	1½½	2½	2¾	3½½	3¾

One in a case.

**WATER COOLERS.**

ASSORTED COLORS. NICKEL-PLATED SELF-CLOSING  
FAUCETS. GALVANIZED IRON RESERVOIRS.  
SOLID FILLED WALLS.

Code .....	Gadiside	Gadissare	Gaditide	Gadmante
Numbers.....	<b>200</b>	<b>300</b>	<b>400</b>	<b>600</b>
Gallons .....	2	3	4	6
Diameter, inches.....	9	10	11	12½
Each .....	\$2.70	3.25	3.75	4.30
Weight per case, lbs...	14	20	26	32
Shipping meas. per case, cu. ft.	1½½	2½	2¾	3½½

Code .....	Gadstole	Gaeldest	Gaelklen	Gaenderi
Numbers.....	<b>800</b>	<b>1000</b>	<b>1200</b>	<b>1400</b>
Gallons .....	8	10	12	14
Diameter, inches .....	13¾	15	16	16½
Each .....	\$5.40	6.45	.....	8.00
Weight per case, lbs...	45	52	57	65
Shipping meas. per case, cu. ft.	3¾	6½	7	9

One in a case.

## WATER COOLERS.

HEAVY. ASSORTED COLORS. NICKEL-PLATED LEVER FAUCETS. SIDE HANDLES. SEAMLESS WHITE ENAMELED RESERVOIRS. SOLID FILLED WALLS.

Code.....	Gaeraff	Gaerenfel	Gaertel	Gaesipp	Gaeticato
Numbers.....	<b>33</b>	<b>44</b>	<b>66</b>	<b>88</b>	<b>1010</b>
Gallons.....	3	4	6	8	10
Diameter, in...	10	11	12½	13¾	15
Each.....	\$4.30	5.40	6.45	8.60	9.70
Wt. per case, lbs...	30	34	44	59	69
Meas. per case, cu. ft.	2½	2¾	3½	3¾	6½

One in a case.



## CROWN MUGS.

FLOWER DESIGN. SILVER FINISH. EMBOSSED.

Code .....	Gaeticore
Number.....	<b>1½</b>
Pint.....	¾
Inches.....	2½ x 3¾
Per dozen .....	\$0.75
Weight per dozen, lbs.....	1¾

One dozen in a package.



## STRAIGHT TOY PAILS.

ASSORTED COLORS.

Code.....	Gaetigeni	Gafager
Numbers.....	<b>8</b>	<b>4</b>
Pints.....	1	2
Inches.....	4½ x 3	5 x 3½
Per dozen .....	\$1.00	1.25
Wt. per dozen, lbs.....	2	4

One dozen in a package.



**TOILET SLOP JARS.**

JAPANNED OAK. HEAVY.

Code.....	Gaffettin
Number .....	<b>10</b>
Quarts.....	10
Top diameter, inches.....	12
Bottom diameter, inches.....	9
Height, inches.....	11
Per dozen.....	<b>\$10.00</b>
Weight per doz., lbs.....	24

**BAILED HOTEL SLOP JARS.**

ASSORTED COLORS. WITH FEET. GILT BANDS.

Code.....	Gaffon
Number.....	<b>15</b>
Quarts.....	12
Top diameter, inches.....	11
Bottom diameter, inches.....	8 $\frac{3}{4}$
Height, inches.....	8 $\frac{3}{4}$
Per dozen .....	<b>\$5.40</b>
Weight per doz., lbs.....	21

**CHAMBER PAILS.**

ASSORTED COLORS. WITH BREAST AND FOOT.

Code .....	Gafordic	Gagger	Gagistan
Numbers.....	<b>2</b>	<b>8</b>	<b>4</b>
Quarts.....	10	12	14
Top diameter, inches.....	10 $\frac{1}{4}$	11	11 $\frac{1}{4}$
Height, inches.....	10 $\frac{1}{4}$	11 $\frac{1}{4}$	12 $\frac{3}{4}$
Per dozen.....	<b>\$5.40</b>	6.00	7.00
Weight per doz., lbs.....	21	24	27
Weight per crate, lbs.....	33	37	44
Shipping measurement per crate cubic ft..	3 $\frac{1}{2}$	4 $\frac{1}{2}$	5

One dozen in a crate.



**DUST PANS—IC.**

JAPANNED BROWN. ROUND CORNERS. HANDLES THROUGH BACK.

Code.....	Gagolare
Number.....	4
Inches.....	9x13
Per dozen .....	\$1.10
Weight per dozen, lbs.....	6

One-half dozen in a package.



**DUST PANS—IX.**

JAPANNED BROWN. ROUND CORNERS. HANDLES THROUGH BACK.

Code.....	Gahland
Number.....	7
Inches.....	9x13
Per dozen .....	\$1.90
Weight per doz., lbs.....	7

One-half dozen in a package.

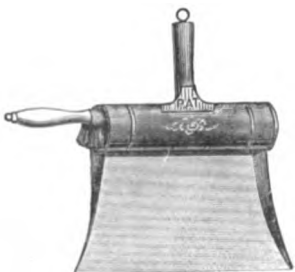


**COVERED DUST PANS—IC.**

JAPANNED BROWN. HANDLES THROUGH BACK.

Code.....	Gahrle
Number .....	16
Inches.....	9x13
Per dozen.....	\$1.80
Weight per doz., lbs.....	9

One-half dozen in a package.

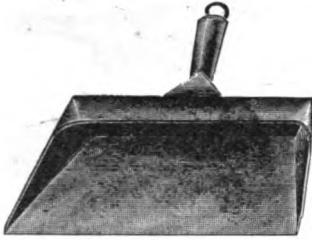


**PATENT DUST PAN WITH BRUSH.**

ASSORTED COLORS.

Code.....	Gahrrech
Number.....	115
Inches.....	11x13
Per dozen .....	\$8.30
Weight per doz., lbs.....	15

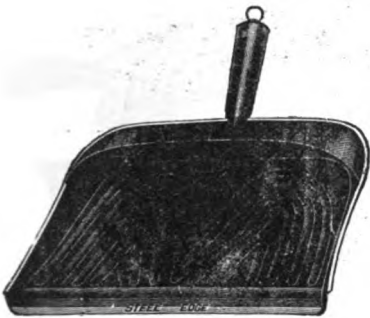
One-third dozen in a package.

**QUAKER DUST PANS—IXXX.**

JAPANNED BLACK. COVERED. VERY STRONG.

Code .....	Gailaba
Number .....	<b>810</b>
Inches .....	10x14
Per dozen.....	<b>\$9.00</b>
Weight per dozen, loose, lbs.....	24

One-half dozen in a package.

**STEEL EDGE DUST PANS—IX.**JAPANNED BLACK. WARRANTED TEMPERED STEEL  
EDGE, 1 1/4 INCHES WIDE.

Code .....	Gailadore
Number .....	<b>1</b>
Inches .....	9x13
Per dozen.....	<b>\$3.25</b>
Weight per dozen, loose, lbs.....	9

One-half dozen in a package.

**PATENT BED PANS—"SEARBY'S."**

JAPANNED BROWN.



Recommended by the Medical Profession.

Code.....	Without Overflow Attachment. Gailarien	With Overflow Attachment. Gailiad
Inches.....	15 1/2 x 14 1/2	15 1/2 x 14 1/2
Each.....	<b>\$4.00</b>	.....
Weight each, lbs.....	2	3

**CRUMB PANS AND BRUSHES.**

ASSORTED COLORS. SHELL PATTERN, DECORATED.  
BLACK BRISTLE BRUSHES.

Code .....	Gaillone
Number .....	<b>010</b>
Inches .....	8¼ x 10½
Per dozen.....	<b>\$3.50</b>
Weight per dozen, lbs.....	<b>8</b>

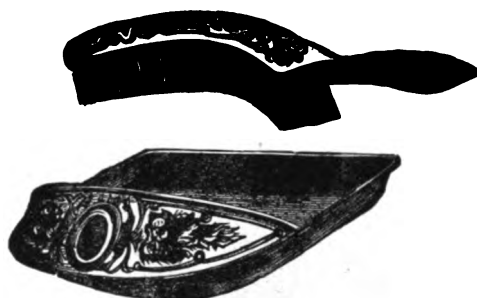
One in a package.

**CRUMB PANS AND BRUSHES.**

ASSORTED COLORS. BLACK BRISTLE BRUSHES.

Code .....	Gailoman
Number .....	<b>0</b>
Inches.....	5¼ x 9
Per dozen.....	<b>\$3.75</b>
Weight per dozen, lbs.....	<b>7</b>

One in a package.

**CRUMB PANS AND BRUSHES.**

ASSORTED COLORS. WHITE BRISTLE BRUSHES.

Code .....	Gailoter
Number .....	<b>3</b>
Inches.....	8¼ x 12
Per dozen.....	<b>\$8.25</b>
Weight per dozen, lbs.....	<b>9</b>

One in a package.

**CRUMB PANS AND SCRAPERS.**

BRASS. STAMPED. EMBOSSED.

	Nickel-Plated	Oxydized
Code .....	Gaincher	Gainheir
Numbers .....	<b>7</b>	<b>70</b>
Inches.....	9½ x 7	9½ x 7
Per dozen.....	<b>\$11.30</b>	<b>5.40</b>
Weight per dozen, lbs.....	<b>9</b>	<b>9</b>

One in a package.





## H. M. & S. SHIP'S WATER RECEIVERS.

JAPPANED OAK. HEAVY.

Code.....	Gairome
Number .....	1
Top diameter, inches.....	8
Bottom diameter, inches.....	10
Height, inches.....	8½
Per dozen .....	\$10.50
Weight per doz., lbs.....	27



## ROUND PARLOR WATERING POTS.

ASSORTED COLORS. FANCY. ZINC ROSES.

Code.....	Gaisanco	Gaisante
Numbers.....	11	12
Quarts.....	1	2
Diameter, inches.....	4½	5½
Height, inches.....	4½	5½
Per dozen .....	\$2.70	3.50
Weight per doz., lbs.....	6	7½



## WATERING POTS-IC.

JAPPANED GREEN. ZINC ROSES.

Code .....	Gaitosis	Galabite	Galabund	Galachon
Numbers.....	41	42	43	44
Quarts .....	1	2	3	4
Diameter, inches.....	4¼	5	5½	6
Per dozen.....	\$2.35	2.95	.....	4.30
Weight per doz., lbs..	10	12	14	20
Code .....	Galacrust	Galadoir	Galadram	Galadress
Numbers.....	46	48	50	52
Quarts .....	6	8	10	12
Diameter, inches.....	7¼	8¼	9	9¼
Per dozen.....	\$5.40	7.00	8.10	9.15
Weight per doz., lbs...	22	40	50	60

**SQUARE MATCH SAFES.**

JAPPANED BROWN. SELF-CLOSING

Code.....	Galadrone
Number.....	2
Inches.....	3½x2¼x1½
Per dozen.....	\$0.60
Weight per doz., lbs.....	2

One dozen in a package.

**TWIN MATCH SAFES.**

Code.....	Galafray
Number.....	1
Inches.....	4½x5
Per dozen.....	\$0.45
Weight per doz., lbs.....	2

One dozen in a package.

**LUMINOUS MATCH SAFES.**

Code.....	Galaless
Inches.....	4½x4½
Per dozen.....	\$1.60
Weight per doz., lbs.....	1¾

One dozen in a box.

**IRON MATCH SAFES.**

JAPPANED BLACK.

Code.....	Galancan
Number.....	1
Inches.....	3¼x2¾
Per dozen.....	\$2.00
Weight per doz., lbs.....	7½

One dozen in a box.

**IRON MATCH SAFES.**

ADAMANTINE BRONZED.

Code.....	Galancell	Galancine
Numbers.....	4	5
Inches.....	3½x1¾x1¾ deep	5x2¼x1¾ deep
Per dozen.....	\$2.40	4.00
Weight per doz., lbs.....	13	21¾

No. 4. One-half dozen in a box.

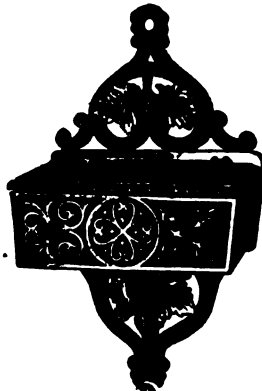
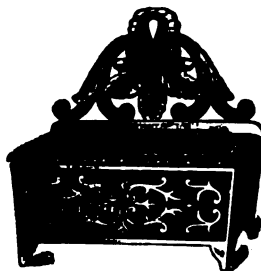
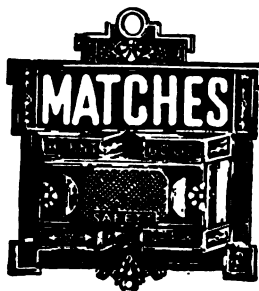
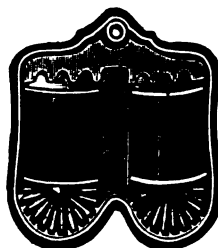
No. 5. One-sixth dozen in a box.

**IRON MATCH SAFES.**

ADAMANTINE BRONZED.

Code.....	Galandran
Number.....	6
Inches.....	4x2x1¾ deep
Per dozen.....	\$3.35
Weight per doz., lbs.....	12¾

One-third dozen in a box.





**VENTILATING FLUE STOPS.**

ASSORTED COLORS.



Code.....	Galangha
Number.....	1
Diameter, inches.....	7 $\frac{1}{4}$
Per dozen .....	\$1.08
Weight per doz., lbs.....	3

One dozen in a package.

**"CROWN" FLUE STOPS.**

BRASS FINISH WITH STEEL HOOP FASTENING.

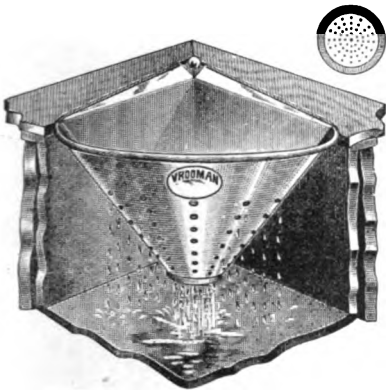


Code.....	Galanite
Number.....	8
Diameter, inches.....	8 $\frac{3}{8}$
Per dozen .....	\$0.80
Weight per doz., lbs.....	3

One dozen in a box.

**"VROOMAN'S" SINK STRAINERS.**

JAPANNED BLUE.



Code.....	Galanofor
Number .....	1
Inches.....	10x10x5
Per dozen .....	\$2.15
Weight per doz., lbs.....	5 $\frac{1}{4}$
Weight per case, lbs.....	25
Shipping measurement per case, cubic ft.....	1 $\frac{1}{2}$

Three dozen in a case.

**"VROOMAN'S" SINK STRAINERS.**

JAPANNED BLUE. WITH STAND.



Code.....	Galanoide
Number.....	2
Inches.....	10x10x6
Per dozen.....	\$2.68
Weight per doz., lbs.....	6
Weight per case, lbs.....	25
Shipping measurement per case, cubic ft.....	1 $\frac{1}{2}$

Three dozen in a case.

## **OVAL TEA TRAYS**

FIGURE 395.

LEAF DESIGN. JAPANNED BLACK.

Code .....	Galanzari	Galanzone	Galapate	Galaporum
Numbers.....	<b>812</b>	<b>814</b>	<b>816</b>	<b>818</b>
Inches .....	12	14	16	18
Per doz.....	\$1.60	2.00	2.35	2.90
Wt. per doz., lbs..	6	6	9	12

Code .....	Galariam	Galastab	Galastand	Galastare
Numbers.....	<b>820</b>	<b>822</b>	<b>824</b>	<b>826</b>
Inches .....	20	22	24	26
Per dozen.....	\$3.40	4.30	5.40	6.50
Wt. per doz., lbs..	15	21	24	24

One-quarter dozen in a package.



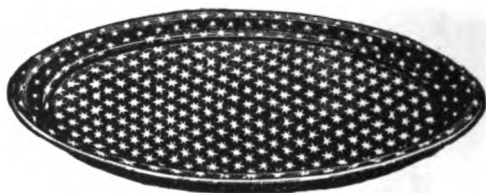
## **OVAL "STAR" TRAYS.**

HEAVY. JAPANNED RED.

Code .....	Galation	Galatroni	Galayett
Inches .....	<b>12</b>	<b>14</b>	<b>16</b>
Per dozen.....	\$2.15	2.50	3.00
Weight per doz., lbs.....	6	9	12

Code .....	Galbanti	Galbaster	Galbavis
Inches.....	<b>18</b>	<b>20</b>	<b>22</b>
Per dozen.....	\$3.60	4.30	5.40
Weight per doz., lbs.....	15	18	21

One in a package.



## **ROUND "STAR" TRAYS.**

HEAVY. JAPANNED RED.

Code.....	Galbettar
Inches .....	<b>12</b>
Per dozen.....	\$3.50
Weight per doz., lbs.....	6

One in a package.



## DOUBLE EXTRA HEAVY OVAL HOTEL TRAYS.

PLAIN. JAPANNED BLACK.

Code.....	Galbordas	Galbuce	Galbuciad	Galburas
Inches.....	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>
Per dozen.....	\$4.85	5.40	6.00	.....
Weight per doz., lbs...	21	24	30	36

Code.....	Galburd	Galbusare	Galcuse
Inches.....	<b>24</b>	<b>26</b>	<b>28</b>
Per dozen .....	\$9.50	12.00	13.00
Weight per doz., lbs.....	42	51	60

One in a package.

## EXTRA STRONG OBLONG TEA TRAYS.

FIG. 1301. FILLETED PATTERN. JAPANNED BLACK.

Code.....	Galconate	Galdabis
Inches.....	<b>26x19</b>	<b>28x20</b>
Per dozen.....	\$11.00	13.00
Weight per doz., lbs.....	51	57

## "CROWN" CHILDREN'S TRAYS.

JAPANESE PATTERN. SILVER FINISH. EMBOSSED.  
WITH SPRINGS.

Code.....	Galdachit
Inches.....	<b>16½x11½</b>
Each.....	\$2.00
Weight per doz., lbs.....	12

One dozen in a package.

## CHILDREN'S TRAYS.

FANCY. SPRING FASTENINGS.

Code.....	Galdadige
Number.....	<b>1</b>
Inches.....	<b>15x10½</b>
Per dozen.....	\$4.80
Weight per doz., lbs.....	15

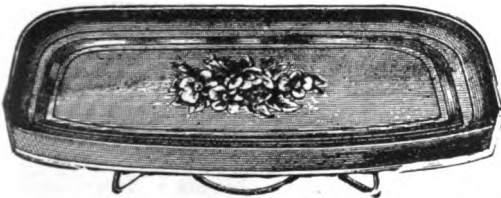
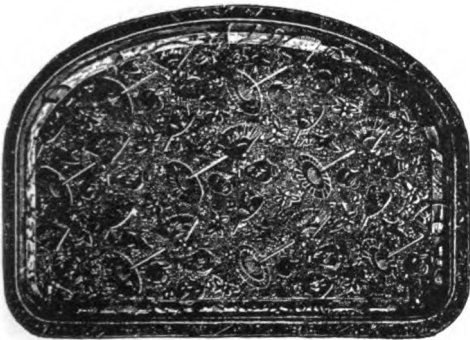
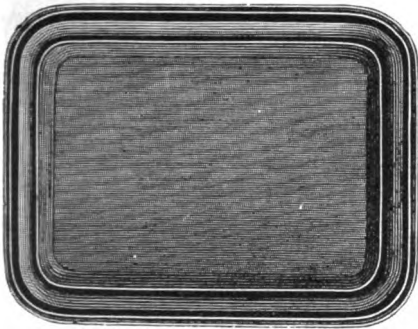
One in a package.

## CHILDREN'S TRAYS.

EXTRA FANCY. SPRING FASTENINGS.

Code.....	Galdamost
Number.....	<b>2</b>
Inches.....	<b>15x10½</b>
Per dozen.....	\$8.60
Weight per doz., lbs.....	15

One in a package.



FOOT TUBS.

JAPPANED GREEN.

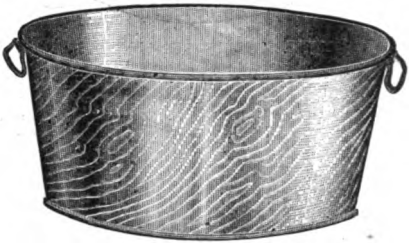
Code.....	Galdadron	Galdearo	Galdensil
Numbers.....	11	12	13
Inches.....	17x13¼	18x14¼	20x16½
Per dozen.....	\$5.40	7.00	8.60
Weight per doz., lbs.....	30	33	35



H. M. & S. SHIP'S FOOT TUBS.

HEAVY. JAPPANED OAK.

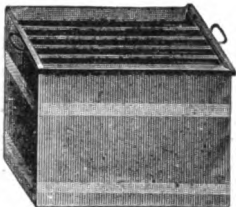
Code.....	Galderic
Top, inches.....	20x19¼
Height, inches.....	10
Per dozen.....	\$.....
Weight per doz., lbs.....	108



KNIFE WASHERS.

JAPPANED GREEN.

Code.....	Galdicot
Inches.....	7¼x5x7½
Per dozen.....	\$12.00
Weight per dozen, lbs.....	24



COLD-BANDED TOILET SETS.



Code.....	Galdoname	Galearica	Galefull	Galeinear
Numbers.....	1	2	4	19
Capacity Slop Jar, quarts.....	10	10	10	10
Capacity Water Carrier, quarts.....	8	8	8	8
Top diameter Jar, inches.....	11	11	11	11
Top diameter Carrier, inches.....	8½	8½	8½	8½
Top measurement Tub, inches.....	17¼x14	17¼x14	17¼x14	17¼x14
Per dozen sets.....	\$21.50	21.50	21.50	21.50
Weight per dozen sets, lbs.....	60	60	60	60
Color.....	Green	Oak	Walnut	Red

## SECTION 9.

BLACK AND GALVANIZED STEEL WARE.

GALVANIZED STAMPED WARE.

GALVANIZED PIECED WARE.

BLACK STEEL STAMPED WARE.

BLACK STEEL PIECED WARE.



# HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES

AND NEW YORK.

## BLACK AND GALVANIZED STEEL WARE.

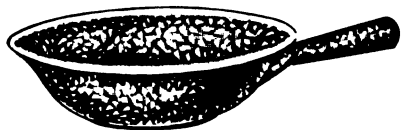
All of this ware is made of the best smooth steel and the galvanized ware is galvanized after the goods are made up in the black, thereby making it very strong and durable.

In ordering these goods by telegraph it is only necessary to use the code word over the number or size of the article or articles wanted preceded by words from the code in the front of this book.

Example: Crogmar acibaroso each gallkait gambagi.

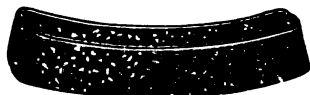
Translation: Ship via quickest route one dozen each number naught eighteen Galvanized Wash Boilers and four-quart Galvanized Oil Cans.

## H. M. & S. GALVANIZED BOAT BAILERS.



Code .....	Galenand
Inches .....	10½ x 2¼
Per dozen .....	\$3.00
Weight per dozen loose, lbs.....	9

## H. M. & S. GALVANIZED BROOM BANDS.



Code .....	Galenese	Galenose
Inches.....	6¼	6½
Per thousand .....	\$25.00	25.00
Weight per thousand, lbs.....	100	105
Shipping meas. per thousand, cu. ft....	8¾	9½

Fifty in a package.

## GALVANIZED SHINGLE BANDS.

ONE HOLE EACH END. NO. 26 IRON.



Code .....	Galeotes	Galesden
Inches.....	¾ x 10 ½	¾ x 9
Number to the pound .....	28	36
Per pound.....	\$0.13 ½	.13 ½

800 to 900 pounds in a barrel.

## H. M. & S. GALVANIZED ASH BARRELS.

HEAVY.

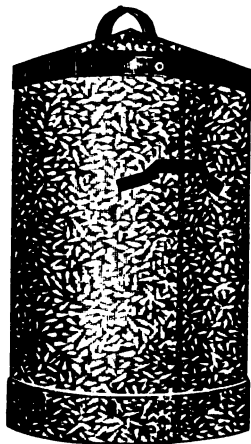


Code .....	Galestone	Galestrand	Galhard
Numbers.....	1	2	3
Diameter, inches.....	11 ½	13	15
Height, inches.....	21	24	26
Each .....	\$2.70	3.20	4.00
Weight each, lbs.....	9	11 ½	14
Shipping meas. each, cu. ft.....	1 ½	1 ½	2 ¼

Code .....	Galiatic	Galicass	Galigara
Numbers.....	4	4 ½	5
Diameter, inches .....	17	20 ½	25
Height, inches.....	27	29	32
Each .....	\$4.50	7.50	10.00
Weight each, lbs.....	16	19 ½	41
Shipping meas. each, cu. ft.....	3 ½	5 ½	9 ¼

## H. M. & S. GALVANIZED ASH BARRELS.

EXTRA HEAVY.

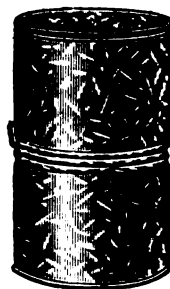


Code .....	Galigoul
Number .....	45
Inches.....	20x30
Each .....	\$9.00
Weight each, lbs.....	40
Shipping measurement each, cubic feet.....	5 ½

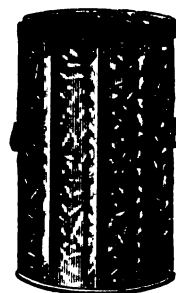
**GALVANIZED ASH CANS.**

WITH COVERS. DROP SIDE HANDLES.

Code .....	Galimbag	Galineate	Galirano	Galisard	Galisbeg
Numbers .....	<b>02</b>	<b>08</b>	<b>04</b>	<b>05</b>	<b>06</b>
Diameter, in....	14	15	17	18	20
Height, inches	16	26	26	26	26
Each.....	\$4.00	5.30	6.00	7.00	8.00
Weight each, lbs...	8½	19	22	23	25
Meas. each, cu. ft...	1½ <sub>12</sub>	2¾	3½	3½ <sub>12</sub>	4½

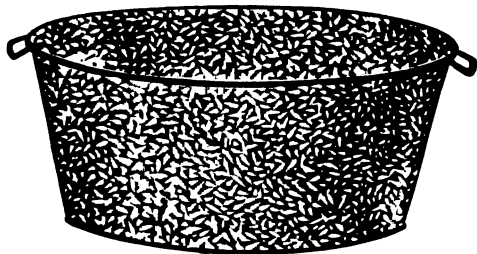
**GALVANIZED ASH CANS.**WITH COVERS. DROP SIDE HANDLES.  
ANGLE IRON STAVES.

Code .....	Galiscorn	Galistair	Galistico	Galistidd
Numbers .....	<b>070</b>	<b>080</b>	<b>090</b>	<b>0100</b>
Diameter, inches .....	15	17	18	20
Height, inches.....	26	26	26	26
Each .....	\$6.70	7.70	8.70	9.80
Weight each, lbs.....	25	32	31½	35½
Shipping meas. each, cu. ft...	2¾	3½	3½ <sub>12</sub>	4½

**H. M. & S. GALVANIZED DOG BASKETS.**

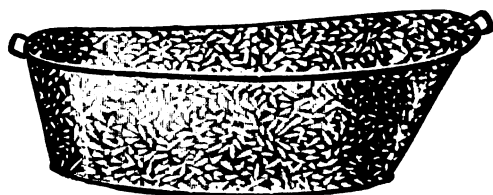
EXTRA HEAVY FOR SHIP'S USE.

Code.....	Galizado
Top measurement, inches.....	<b>29x20</b>
Height, inches.....	12
Each .....	\$6.00
Weight each, lbs.....	14½

**GALVANIZED INFANT BATHS.**

Code .....	Galkapse	Galkostum	Galkwege
Numbers .....	<b>01</b>	<b>02</b>	<b>03</b>
Top measurement, inches...	27x16	33x18	40x20
Height, inches.....	9	11	11
Per dozen.....	\$27.50	37.90	51.60
Weight per dozen, lbs.....	48	90	114
Ship. meas. per crate, cu. ft.	7½	9½ <sub>3</sub>	16½

One dozen in a crate.







## H. M. & S. RUSSIA IRON COFFEE BOILERS.

SOLID LIPPED.

Code.....	Gallabim	Galladell	Galladero	Gallandi	Gallastin
Quarts .....	2	3	4	6	8
Top diam., inches...	4½	4½	4¾	6¼	6¼
Bottom diam., in...	6½	6½	6¾	9	9¼
Height, inches.....	6	7	7¾	8½	9¾
Per dozen .....	\$8.50	9.00	12.00	18.00	18.00
Wt. per doz., lbs...	10	12	15	20	24
Meas. per doz., cu. ft.	2½	2½	4½	6½	7½

## GALVANIZED COFFEE BOILERS.

SOLID LIPPED.

Code.....	Gallatione	Gallatore	Gallemati	Gallerest
Numbers .....	02	03	04	06
Quarts .....	2	3	4	6
Top diameter, inches.....	4¾	5	5½	5¾
Bottom diameter, inches...	6	6¾	7½	8¾
Height, inches.....	6½	7	8	9
Per dozen .....	\$8.60	10.40	11.20	12.90
Wt. per doz., lbs.....	12	15	18	22
Ship. meas. per doz., cu. ft.	2½	2½	4½	6½

Code.....	Gallerino	Gallerolle	Galliard
Numbers.....	08	010	012
Quarts .....	8	10	12
Top diameter, inches.....	6¼	6¼	6½
Bottom diameter, inches.....	10½	10½	11
Height, inches.....	9	10¾	11¾
Per dozen .....	\$17.20	20.70	24.00
Weight per doz., lbs.....	26	36	40
Shipping measurement per doz., cu. ft.	7½	8¾	9¾

## GALVANIZED WASH BOILERS.

THIRTEEN INCHES DEEP. FLAT, GALVANIZED  
BOTTOMS. TIN COVERS.

Code.....	Gallinger	Gallister	Gallkait	Gallkled
Numbers .....	016	017	018	019
Inches.....	10x18¾	11x20	11½x21	12x23
Per dozen .....	\$21.20	23.00	24.60	26.40
Wt. per doz. crated, lbs...	112	126	130	140

One-half dozen in a crate.

For shipping measurements see page 137.

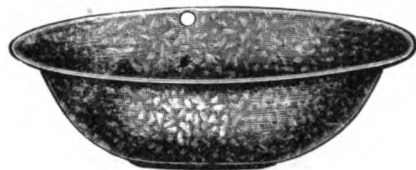


**GALVANIZED WASH BOWLS.**

STAMPED. WITH EYELET.

Code.....	Gallmach	Gallottan	Gallplat	Gallpute
Numbers .....	6½	7	7½	8
Inches.....	10½	11½	12¼	13
Per dozen .....	\$2.30	2.60	2.80	3.50
Weight per doz., lbs....	6	7	8	9

One dozen in a package.

**H. M. & S. GALVANIZED CORNER FEED BOXES.**

EXTRA STRONG.

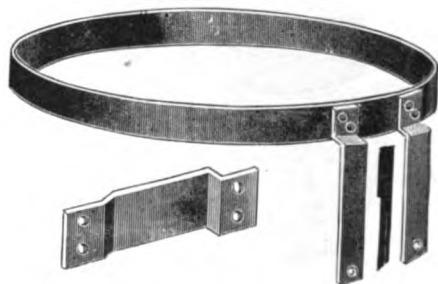
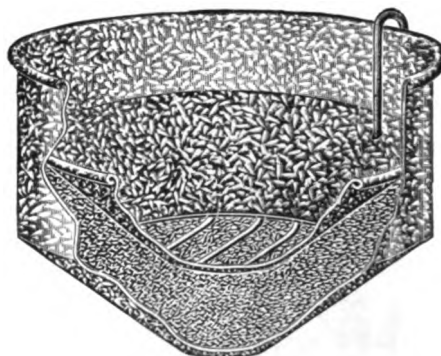
Code.....	Gallspell
Top measurement, inches.....	16½ x 20¾
Height, inches.....	10
Each.....	\$5.00
Weight each, lbs.....	9

**NATIONAL FEED BOXES.**

GALVANIZED COLD ROLLED STEEL. WITH MALLEABLE  
IRON SIDE RODS. JAPANNED WROUGHT IRON  
HOLDER, PLATE AND SCREWS.

Code.....	Galnear	Galncator	Galnent
Numbers .....	1	2	8
Quarts.....	6	8	10
Diameter, inches.....	12½	12½	13½
Height, inches.....	8½	10	10½
Each .....	\$5.50	6 50	7.50
Weight each, lbs.....	9	10	12
Weight per crate, lbs.....	145	160	175
Shipping measurement per crate, cu. ft....	8½	10	12½

One dozen in a crate.

**H. M. & S. GALVANIZED WELL BUCKETS.**

EXTRA STRONG. HEAVY HOOP  
ON BOTTOMS.

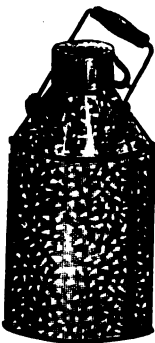
Code.....	Galnette	Galnitore
Gallons.....	8	4
Top diameter, inches.....	10	11½
Height, inches.....	12	12½
Per dozen .....	\$21.00	24.00
Weight per doz. wired, lbs.....	54	73
Shipping measurement per doz., cu. ft.	5¼	6¼





### **GALVANIZED WELL BUCKETS.**

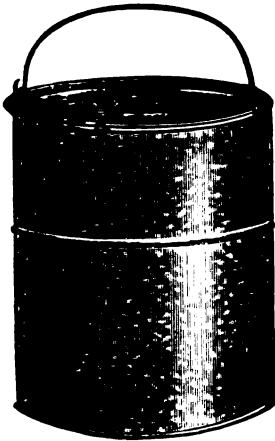
Code.....	Galogiar	Galorderi	Galotade
Numbers .....	<b>010</b>	<b>012</b>	<b>014</b>
Quarts.....	10	12	14
Top diameter, inches.....	9	9	10
Bottom diameter, inches.....	7½	7½	8½
Height, inches.....	11	12½	12½
Per dozen .....	\$7.80	8.60	9.50
Wt. per doz. wired, lbs.....	28	35	36
Shipping measurement per doz., cu. ft...	4	4¾	5¼



### **H. M. & S. GALVANIZED FIELD CANS.**

TIN CUP COVERS. 4-INCH MOUTH.

Code .....	Galsamba	Galsamic
Gallons .....	<b>8</b>	<b>5</b>
Bottom diameter, inches .....	8½	10½
Height, inches.....	16	18
Per dozen.....	\$24.00	30.00
Weight per doz., lbs.....	39	60



### **GALVANIZED GARBAGE CANS.**

Code .....	Galtraka	Galusant	Galzarin	Galzator
Gallons .....	<b>4</b>	<b>6</b>	<b>8</b>	<b>10</b>
Diameter, inches..	10½	12	13	14¼
Height, inches.....	10¾	12½	13¼	14½
Per dozen .....	\$14.60	18.90	20.60	24.10
Wt. per doz., lbs...	48	60	72	84
Meas. per doz., cu. ft...	10½	15½	19¼	25



### **GALVANIZED OIL CANS.**

Code.....	Gambagi
Quarts.....	<b>4</b>
Diameter, inches.....	6½
Height, inches.....	9
Per dozen .....	\$5.20
Weight per doz. crated, lbs.....	18
Shipping measurement per doz., cubic feet.....	3

One dozen in a crate.

## CALVANIZED OIL CANS.

WITH PATENTED OIL TIGHT FAUCETS.

Code.....	Gambalion
Gallons .....	5
Diameter, inches.....	10 ½
Height, inches.....	19
Per dozen.....	\$15.50
Weight per dozen crated, lbs.....	65
Shipping measurement per doz., cubic feet.....	14 ⅔

One-half dozen in a crate.



## "CORDON" OIL CANS.

GALVANIZED. GUARANTEED PUMPS. WARRANTED NOT TO OVERFLOW LAMP WHILE FILLING.

Code.....	Gambarug	Gambinel
Gallons .....	8	5
Diameter, inches.....	8 ¾	11 ¼
Height, inches.....	13 ½	13 ¾
Per dozen.....	\$22.00	27.00
Weight per doz. crated, lbs.....	54	74
Shipping measurement per doz., cu. ft.	9 ½	15 ½

One-half dozen in a crate.



## CALVANIZED OILY WASTE CANS.

WITH SELF-CLOSING COVERS.

Code .....	Gambinon
Number .....	1
Diameter, inches.....	11 ¼
Height, inches.....	15
Per dozen.....	\$27.50
Weight per dozen, lbs.....	54



## H. M. & S. CALVANIZED POWDER CANS.

CAP COVERS. WATER-TIGHT.

Code.....	Gambocha
Quarts.....	4
Diameter, inches.....	6
Height of body, inches.....	6
Per dozen.....	\$10.00
Weight per dozen, lbs.....	18



**H. M. & S. CANTEENS.**

GALVANIZED. BRACED THROUGH CENTER.



Code.....	Gamblear	Gambolino	Gamborum	Gamburrit	Ganadeer
Numbers.....	<b>12</b>	<b>13</b>	<b>14</b>	<b>16</b>	<b>18</b>
Quarts .....	2	3	4	6	8
Diameter, inches	7½	8½	9	10¼	11½
Thickness, inches	3	3½	4	5	5
Per dozen...	\$4.70	5.40	7.00	9.00	11.00
Wt. per doz., lbs.	9	10	13	20	25
Meas. doz., cu. ft.	2⅞	3⅝	4	6½	8

**H. M. & S. CANTEENS.**

GALVANIZED. BRACED THROUGH CENTER. BLANKET COVERED. WITH LONG LEATHER STRAPS.



Code .....	Ganalide	Ganaramo	Ganastadi	Gancarroti	Ganchean
Numbers.....	<b>126</b>	<b>136</b>	<b>146</b>	<b>166</b>	<b>186</b>
Quarts .....	2	3	4	6	8
Diameter, inches	7½	8½	9	10¼	11½
Thickness, inches	3	3½	4	5	5
Per dozen...	\$13.70	15.00	17.00	20.00	24.00
Wt. per doz., lbs.	12	15	19	28	36
Meas. doz., cu. ft.	2⅝	3⅓	4¼	6¾	8½

**CANTEENS.**

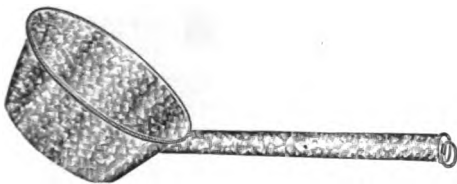
GALVANIZED. BRACED THROUGH CENTER. BLANKET COVERED. CANVAS STRAPS.



Code .....	Gancheera	Gandelet	Gandellon	Ganderine	Gandikar
Numbers.....	<b>226</b>	<b>336</b>	<b>446</b>	<b>666</b>	<b>886</b>
Quarts .....	2	3	4	6	8
Diameter, inches	7½	8½	9	10¼	11½
Thickness, inches	3	3½	4	5	5
Per dozen ...	\$8.00	8.40	10.00	12.00	15.00
Wt. per doz., lbs.	12½	15	19	22	27
Meas. doz., cu. ft.	2⅔	3½	4	6½	8¼

**STAMPED DIPPERS.**

GALVANIZED. ROUND HANDLES.



Code .....	Ganditise	Gandmule	Gandolera
Numbers .....	<b>210</b>	<b>220</b>	<b>230</b>
Quarts .....	1	2	3
Top diameter, inches	5⅝	6	6¾
Height, inches.....	2¼	2½	3
Per dozen.....	\$2.30	2.60	3.00
Weight per dozen, lbs.....	4	5	6

**PIECED DIPPERS.**

GALVANIZED. ROUND HANDLES.



Code.....	Gandreke
Number.....	<b>22</b>
Quarts .....	2
Top diameter, inches.....	6½
Height, inches.....	3¾
Per dozen .....	\$2.90
Weight per dozen, lbs.....	6

**H. M. & S. SLUM DIPPERS.**

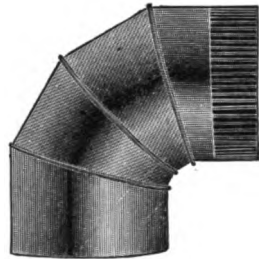
GALVANIZED. EXTRA HEAVY. SOCKETS FOR WOOD HANDLES.

Code.....	Gandullo
Top diameter, inches.....	9
Height, inches.....	7
Each .....	\$3.75
Weight each, lbs.....	6

**H. M. & S. PERFECTION ELBOWS.**

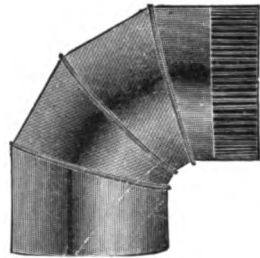
REFINED SMOOTH STEEL. FOUR-PIECED. OILED.

Code.....	Ganghead	Gangherz	Gangkeit
Numbers .....	4	4½	5
Inches.....	4	4½	5
Per dozen.....	\$2.00	2.00	2.20
Weight per doz. wired, lbs.....	6½	7	7½
Code.....	Gangwert	Gangkarb	Gangkust
Numbers .....	5½	6	7
Inches.....	5½	6	7
Per dozen.....	\$2.60	2.76	6.00
Weight per doz. wired, lbs.....	8	12	19½

**H. M. & S. PERFECTION ELBOWS.**

PLANISHED IRON. FOUR-PIECED.

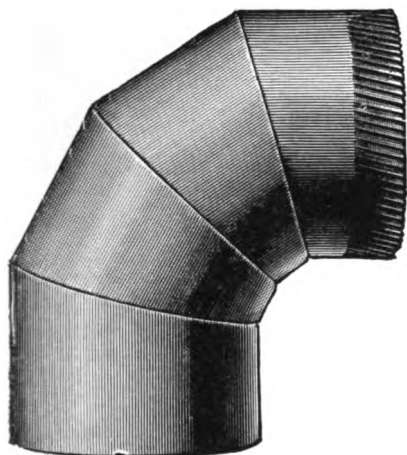
Code.....	Ganniton	Gannmeil	Ganstick
Numbers .....	14	14½	15
Inches.....	4	4½	5
Per dozen.....	\$3.50	3.50	4.00
Weight per doz. wired, lbs.....	6½	7	7½
Code.....	Gaptizare	Garabba	Garabuff
Numbers .....	15½	16	17
Inches.....	5½	6	7
Per dozen.....	\$5.00	5.00	10.00
Weight per doz. wired, lbs.....	8	12	19½

**H. M. & S. PERFECTION ELBOWS.**

GALVANIZED.

Code.....	Garacass	Garacino	Garacute
Numbers .....	24	24½	25
Inches.....	4	4½	6
Per dozen.....	\$4.60	4.60	5.00
Weight per doz. wired, lbs.....	6½	7	7½
Code.....	Garalhard	Garandale	Garateam
Numbers .....	25½	26	27
Inches.....	5½	6	7
Per dozen.....	\$8.00	7.00	10.00
Weight per doz. wired, lbs.....	8	12	19½





## H. M. & S. PERFECTION ELBOWS.

POLISHED STEEL. FOUR-PIECED.

Code.....	Ganladen	Ganlaste	Ganleech
Numbers.....	<b>40</b>	<b>40½</b>	<b>50</b>
Inches.....	4	4½	5
Per dozen.....	\$2.70	2.70	3.00
Weight per doz., lbs.....	6½	7	7½

One dozen in a package.

Code.....	Ganlertic	Ganlisson	Ganluis
Numbers.....	<b>50½</b>	<b>60</b>	<b>70</b>
Inches.....	5½	6	7
Per dozen.....	\$3.50	3.60	7.00
Weight per doz., lbs.....	8	12	19½

One dozen in a package.



## CORRUGATED ELBOWS.

No. 27 REFINED SMOOTH STEEL.

Code.....	Garchiman	Grachinod	Grachipus
Numbers.....	<b>085</b>	<b>085½</b>	<b>086</b>
Inches.....	5	5½	6
Per dozen.....	\$2.00	2.25	2.30
Weight per doz., lbs.....	14½	15½	16½

One dozen in a package.



## H. M. & S. CORRUGATED ELBOWS.

GALVANIZED.

Code.....	Garbilim	Garbillad	Garbirem	Garbitone	Garchille
Numbers.....	<b>54</b>	<b>54½</b>	<b>55</b>	<b>55½</b>	<b>56</b>
Inches.....	4	4½	5	5½	6
Per dozen.....	\$3.50	4.00	4.00	4.75	5.50
Wt. per doz. wired, lbs.	11	12	15	22	27

## "PERFECT" ONE-PIECE STOVE PIPE ELBOWS.

REFINED.

Code.....	Garcinamo	Gardagera	Gardariot
Numbers.....	<b>65</b>	<b>65½</b>	<b>66</b>
Inches.....	5	5½	6
Per dozen.....	\$.....	.....	.....
Weight per doz., lbs.....	.....	.....	.....



## "PERFECT" ONE PIECE STOVE PIPE ELBOWS.

PLANISHED.

Code.....	Gardenne	Gardenza	Gardomer
Numbers.....	<b>75</b>	<b>75½</b>	<b>76</b>
Inches.....	5	5½	6
Per dozen.....	\$.....	.....	.....
Weight per doz., lbs.....	.....	.....	.....

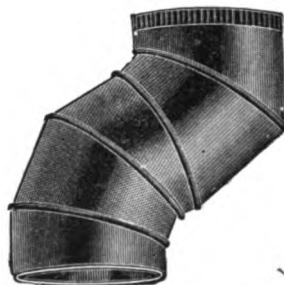


## ADJUSTABLE STOVE PIPE ELBOWS.

REFINED.

Code.....	Garicozi	Garifonic
Numbers.....	<b>85</b>	<b>86</b>
Inches.....	5	6
Per dozen.....	\$2.15	2.15
Weight per doz., lbs.....	12	15
Shipping measurement per crate, cu. ft..	2½	3¼

One dozen in a crate.



## ADJUSTABLE STOVE PIPE ELBOWS.

PLANISHED.

Code.....	Garigoul	Garillet
Numbers.....	<b>95</b>	<b>96</b>
Inches.....	5	6
Per dozen.....	\$5.75	6.50
Weight per doz., lbs.....	12	15
Shipping measurement per crate, cu. ft..	2½	3¼

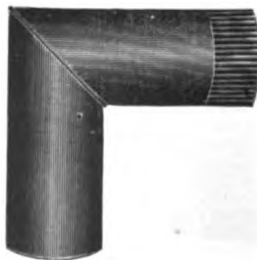
One dozen in a crate.



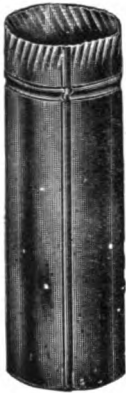
## SQUARE ELBOWS.

PLANISHED.

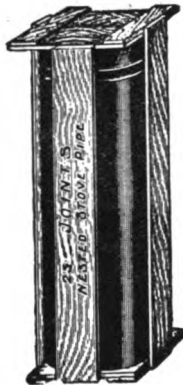
Code.....	Gariolur
Inches.....	<b>8</b>
Per dozen.....	\$3.90
Weight per doz., lbs.....	15







Finished Joint.



Crate of 25 Joints.



Cased 50 Joints.

**H. M. & S. STANDARD STOVE PIPE.****COMMON SMOOTH STEEL.**

Code, nested.....	Gariphon	Garitifer	Garitini	Garlaufe	Garlavent	Garletta	Garload
Code, finished.....	Garmacid	Garmilia	Garnabit	Garnadesi	Garnizado	Garodrom	Garometro
Inches.....	4	4½	5	5½	6	7	8
Made from iron, numbers.....	28	28	27	27	27	24	24
Weight 25 joints nested, lbs.....	.....	.....	50	.....	63	.....	.....
Per joint, nested.....	\$.....	.....	.28	.....	.30	.....	.....
Per joint, finished.....	\$0.24	.24	.28	.30	.30	.49	.90
Weight per joint, lbs.....	1¾	1¾	1¾	1¾	2¼	3½	4¼

H. M. & S. nested Stove Pipe is cut, formed, edge turned, crimped and beaded.

**PLANISHED IRON.**

Code, nested.....	Garonasse	Garonava	Garoneta	Garoniale	Garoscopi	Garpour	Garrack
Code, finished.....	Garragane	Garredero	Garrelora	Garrenade	Garrenill	Garretan	Garricass
Inches.....	8	4	4½	5	5½	6	7
Made from iron, numbers.....	28	28	27	27	27	27	24
Weight 25 joints nested, lbs.....	.....	.....	.....	.....	.....	.....	.....
Per joint, nested.....	\$.....	.....	.....	.....	.....	.....	.....
Per joint, finished.....	\$0.90	.90	.90	1.00	1.12½	1.21	1.46
Weight per joint, lbs.....	.....	1¾	1¾	2	2¼	2½	4¼

H. M. & S. nested Stove Pipe is cut, formed, edge turned, crimped and beaded.

**GALVANIZED.**

Code, nested.....	Garriguda	Garrisco	Garrizale	Garrutine	Garschaf	Garter	Garthele
Code, finished.....	Gartidour	Gartolust	Gartrobe	Gartsal	Gartscham	Gartwach	Gartzang
Inches.....	4	4½	5	5½	6	7	8
Made from iron, numbers.....	28	28	27	26	26	24	24
Weight 25 joints nested, lbs.....	.....	.....	.....	.....	.....	.....	.....
Per joint, nested.....	\$.....	.....	.....	.....	.....	.....	.....
Per joint, finished.....	\$0.45	.45	.55	.68	.68	1.12½	1.21
Weight per joint, lbs.....	1½	1¾	2	2¼	2½	3¼	4¼

H. M. & S. nested Stove Pipe is cut, formed, edge turned, crimped and beaded.

**Shipping Measurements of Stove Pipe.**

Inches.....	4	4½	5	5½	6	7	8
Nested 25 joints crated, cubic feet.....	.....	.....	13½	.....	1¾	.....	.....
Finished 25 joints crated, cubic feet.....	7¼	9½	11	13¾	15½	20¾	26¾

**H. M. & S. STANDARD STOVE PIPE.**

TAPER JOINTS. COMMON SMOOTH STEEL.

The First Figure Denotes Size of Stove Collar.

Code.....	Garulhero	Garullate	Garytone	Garytop	Garzilla	Garzoned
Inches.....	4½x4	5x4½	5½x5	6x5	6x5½	7x6
Per joint, finished .....	\$0.28	.28	.30	.30	.30	.55

**PLANISHED IRON.**

Code.....	Gasaltic	Gasaltoid	Gasaltrot	Gasament	Gasanist	Gasconet
Inches.....	4½x4	5x4½	5½x5	6x5	6x5½	7x6
Per joint, finished .....	\$0.90	1.00	1.12½	1.21	1.21	1.46

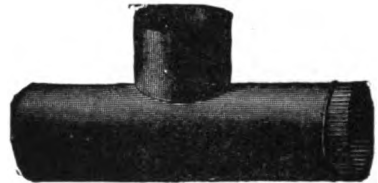
**GALVANIZED.**

Code.....	Gascophil	Gascoside	Gasellaro	Gasflut:	Gashemate	Gasiando
Inches.....	4½x4	5x4½	5½x5	6x5	6x5½	7x6
Per joint, finished .....	\$0.45	.55	.68	.68	.68	1.12½

**H. M. & S. TEE JOINTS.**

COMMON SMOOTH STEEL.

Code.....	Gasiantum	Gasiatore	Gasifix	Gasifugel
Inches.....	5	5½	6	7
Per joint.....	\$.....	.....	.....	.....
Wt. per joint, lbs.....	.....	.....	.....	.....

**“EASY LOCK” STOVE PIPE.**

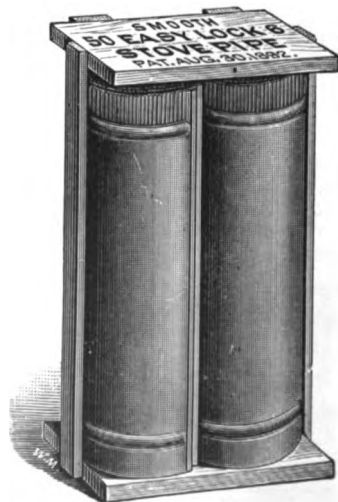
NESTED.

The Best Nested Stove Pipe Made.

Made from Uniform Dark Blue Color, Highly Polished Steel. A Perfect Lock Without the Use of Hammer or Rivets.

Code.....	Gasilario	Gasilense	Gasinar
Inches.....	5	5½	6
Per joint.....	\$0.30	.33	.34
Wt. 50 joints, crated, lbs.....	100	115	125
Shipping measurement per crate, cu. ft..	2½	2¾	3½

Fifty joints in a crate.

**“EASY LOCK” TAPER JOINTS.**

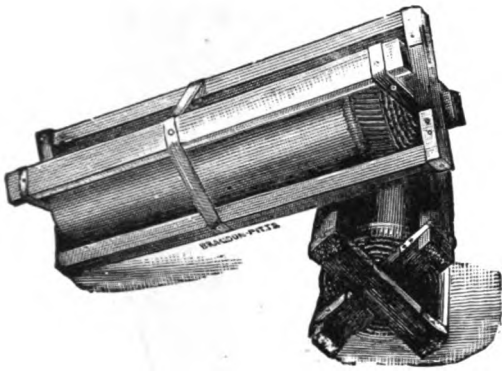
Code.....	Gasiolor	Gasketer	Gaslardi
Inches.....	5½x5	6x5	7x6
Per joint .....	\$.....	.....	.....

**"ACME" STOVE PIPES.**

NESTED.

Easily and Rapidly Put Together.

Made From No. 27 Cold Rolled Smooth Steel.




Code.....	Gasochiar	Gasorino	Gasquita
Inches.....	5	5½	6
Per joint.....	\$.....	.....	.....
Weight per crate, lbs.....	50	55	60
Shipping measurement per crate, cu. ft....	1½	1½	1¾

Twenty-five joints in a crate.


**COAL HODS.**

JAPANNED BLACK. OPEN. ROUND BOTTOMS.



Code.....	Gassament	Gassarico	Gasseport	Gastabil
Numbers .....	<b>115</b>	<b>116</b>	<b>117</b>	<b>118</b>
Top measure, in.....	9½x15	11x16	12x17	13x18
Height, inches.....	7½	8½	9	10
Per dozen.....	\$6.00	6.90	7.80	8.60
Wt. per doz., wired, lbs....	20	25	30	33

One-half dozen in a package.


**COAL HODS.**JAPANNED BLACK. GOLD STRIPED. OPEN.  
ROUND BOTTOMS.


Code.....	Gastagari	Gastanter	Gastardoni	Gasterbin
Numbers.....	<b>215</b>	<b>216</b>	<b>217</b>	<b>218</b>
Top measure, in.....	9½x15	11x16	12x17	13x18
Height, inches.....	7½	8½	9	10
Per dozen.....	\$6.90	7.80	8.60	9.50
Wt. per doz., wired, lbs...	20	25	30	33

One-half dozen in a package.

**COAL HODS.**

GALVANIZED. OPEN. ROUND BOTTOMS.



Code.....	Gasterbol	Gastidore	Gastiment	Gastlage
Numbers.....	<b>315</b>	<b>316</b>	<b>317</b>	<b>318</b>
Top measure, in....	9½x15	11x16	12x17	13x18
Height, inches.....	7½	8½	9	10
Per dozen .....	\$7.80	8.60	9.50	10.40
Wt. per doz., wired, lbs...	26	32	36	40

One-half dozen in a package.

**H. M. & S. HELMET COAL HODS.**

JAPANNED FANCY. HALF COVERED. EXTRA STRONG.

Code.....	Gastonam
Number .....	417
Top measurement, inches.....	11x17
Height, inches.....	8½
Per dozen.....	\$33.00
Weight per doz., lbs.....	45

**H. M. & S. HEAVY COAL HODS.**

GALVANIZED. EXTRA HEAVY. FOR SCHOOLS AND PUBLIC BUILDINGS.

Code.....	Gastulor
Number .....	517
Top measurement, inches.....	17x12
Height, inches.....	10
Per dozen .....	\$26.00
Weight per doz., lbs.....	60

**Shipping Measurements of Coal Hods.**

Size, inches.....	15	16	17	18
One doz. wired, cu. ft.....	2½	3½	3¾	4¾

**COAL VASES.**

JAPANNED FANCY. HEAVY IRON INSIDE COAL BUCKET.

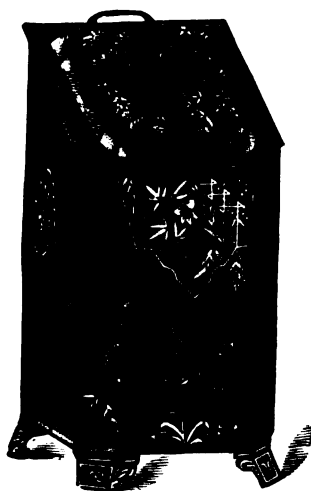
Code.....	Gastahola
Number .....	1
Inches.....	10½x9
Height, inches.....	22¾
Each .....	\$4.30
Weight each, lbs.....	8
Shipping measurement each, cu. ft.....	2½



**COAL VASES.**

JAPANNED FANCY. HEAVY IRON INSIDE COAL BUCKET.

Code.....	Gatalario
Number .....	8
Inches.....	11 ½ x 11
Height, inches.....	23 ½
Each .....	\$7.20
Weight each, lbs.....	9
Shipping measurement each, cubic feet.....	2 ¾

**COAL VASES.**

JAPANNED FANCY. HEAVY IRON INSIDE COAL BUCKET.

Code.....	Gatallada
Number .....	4
Inches.....	11 ½ x 11
Height, inches.....	23 ½
Each .....	\$7.00
Weight each, lbs.....	11
Shipping measurement each, cubic feet.....	2 ¾

**COAL VASES.**

JAPANNED FANCY. HEAVY IRON INSIDE COAL BUCKET.

Code.....	Gatallant
Number .....	5
Inches.....	11 ½ x 11
Height, inches.....	23 ½
Each .....	\$6.90
Weight each, lbs.....	11
Shipping measurement each, cubic feet.....	2 ¾

**COAL VASES.**

JAPANNED FANCY. HEAVY IRON INSIDE COAL BUCKET  
WITH RACK FOR FIRE SET AT BACK.

Code .....	Gatallis
Number .....	6
Inches.....	11 ½ x 11
Height, inches .....	23 ½
Each .....	\$8.10
Weight each, lbs.....	10
Shipping measurement each, cubic feet .....	2 ¾

**COAL VASES.**

JAPANNED FANCY. HEAVY IRON INSIDE COAL BUCKET.  
WITH RACK FOR FIRE SET AT BACK.

Code .....	Gatallone
Number .....	8
Inches.....	11 ½ x 11
Height, inches.....	23 ½
Each .....	\$8.60
Weight each, lbs.....	10 ¼
Shipping measurement each, cubic feet.....	2 ¾

**H. M. & S. WATER KECS.**

GALVANIZED. WITH BAIL AND SCREW CAPS.

Code.....	Gatanaquid	Gatanari	Gatanead	Gatanochi
Gallons .....	1	2	3	5
Diameter, inches...	6 ¼	7 ¼	9 ¼	10 ¾
Length, inches.....	8	11	11 ¼	13 ½
Per dozen.....	\$11.00	15.00	19.00	24.00
Weight per dozen, lbs...	24	30	45	51

**H. M. & S. CAMP KETTLES.**

SMOOTH REFINED STEEL. TIN COVERS.

Code .....	Gatardic	Gatauler	Gatayole	Gatibarbo	Gaticoler
Numbers .....	4	6	10	12	16
Quarts .....	4	6	10	12	16
Diameter, in...	7 ½	8 ½	9 ½	10 ½	11 ½
Height, in.....	5 ½	6 ¼	7 ½	8 ½	10 ½
Per dozen .....	\$5.00	5.50	7.00	9.00	14.00
Weight per doz., lbs.	18	22	26	30	42



**H. M. & S. CAMP KETTLES.**

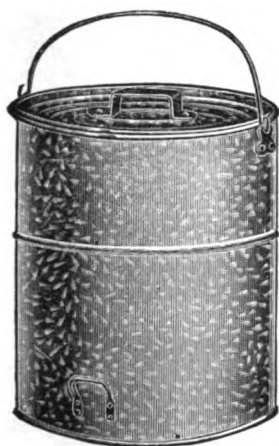
PLANISHED IRON. TIN COVERS.

Code .....	Gatidore	Gatifolan	Gatimento	Gationde	Gatisell
Numbers .....	<b>14</b>	<b>16</b>	<b>110</b>	<b>112</b>	<b>116</b>
Quarts .....	4	6	10	12	16
Diameter, in...	7½	8½	9½	10½	11½
Height, in.....	5½	6¼	7½	8½	10½
Per dozen .....	\$8.00	9.50	12.00	16.00	18.00
Weight per doz., lbs.	18	22	26	30	42

**H. M. & S. CAMP KETTLES.**

GALVANIZED. TIN COVERS.

Code .....	Gatochemo	Gatorel	Gatourn	Gatrache	Gatt:rest
Numbers .....	<b>24</b>	<b>26</b>	<b>210</b>	<b>212</b>	<b>216</b>
Quarts .....	4	6	10	12	16
Diameter, in...	7½	8½	9½	10½	11½
Height, in.....	5½	6¼	7½	8½	10½
Per dozen .....	\$8.00	9.00	10.00	12.00	18.00
Weight per doz., lbs.	20	26	28	42	54

**CAMP KETTLES.**

GALVANIZED. WITH GALVANIZED COVERS.

Code .....	Gattiade	Gattifol	Gattilane
Numbers .....	<b>32</b>	<b>34</b>	<b>36</b>
Quarts.....	2	4	6
Diameter, inches.....	5¼	6¼	8¼
Height, inches.....	4¾	6½	6¼
Per dozen.....	\$.....	6.00	7.80
Weight per doz., lbs.....	10	14	18

Code.....	Gattuate	Gauband	Gauble
Numbers .....	<b>38</b>	<b>310</b>	<b>312</b>
Quarts.....	8	10	12
Diameter, inches.....	8½	9¼	9½
Height, inches.....	7½	9¼	9½
Per dozen.....	\$.....	11.20	12.90
Weight per doz., lbs.....	24	30	26

10 and 12-quart only have bottom handles.

**TEA KETTLES.**

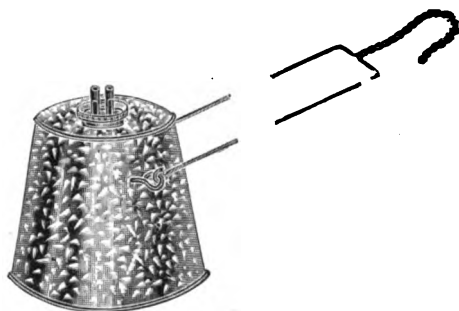
GALVANIZED. FLAT BOTTOMS.

Code.....	Gauchell	Gauchund	Gaudekin
Numbers .....	<b>77</b>	<b>88</b>	<b>99</b>
Quarts .....	5	7	8
Bottom diameter, inches.....	9½	10	11
Per dozen .....	\$11.20	12.90	14.60
Wt. per doz. packed, lbs.....	34	40	53
Ship. meas. per doz., cu. ft...	4½	8	9¼

**H. M. & S. BUNKER LAMPS.**

GALVANIZED. LONG TWISTED WIRE HANGERS. WITH  
TWO TUBED NO. 1 BURNERS.

Code .....	Gaudelion
Pint .....	1
Inches .....	3½x3½
Per dozen.....	\$9.00
Weight per doz., lbs.....	4

**H. M. & S. ENGINEERS' LAMPS.**

GALVANIZED WITH TWO TUBED NO. 1 BURNERS.

Code.....	Gaudruch
Pint .....	1
Inches .....	3½x3½
Per dozen.....	\$4.50
Weight per doz., lbs.....	4

**H. M. & S. CONTINENTAL MEASURES.**

GALVANIZED. EXTRA HEAVY. BRACED BOTTOMS.

Code.....	Gaufer
Gallons.....	5
Bottom diameter, inches.....	13
Top diameter, inches.....	10½
Height, inches.....	15½
Each .....	\$4.00
Weight each, lbs.....	90

**H. M. & S. BROWN BREAD MOULDS.**

PLANISHED IRON. TIN COVERS.

Code.....	Gaugest
Number .....	11
Top diameter, inches.....	5½
Height, inches.....	6
Per dozen.....	\$11.70
Weight per doz., lbs.....	10

**H. M. & S. TEAMSTERS' OILERS.**

GALVANIZED.

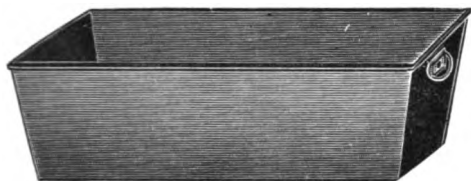
Code.....	Gaukaste	Gaukneet	Gaulore
Numbers.....	1½	11	12
Quarts.....	½	1	2
Bottom diameter, inches.....	3½	4¼	4¾
Per dozen.....	\$3.70	4.20	4.50
Weight per doz., lbs.....	6	8	9





**H. M. & S. SQUARE PANS.**

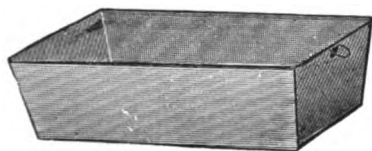
PLANISHED IRON. RINGED.



Code.....	Gaulus
Number .....	<b>44</b>
Top measure, inches.....	5¼ x 11¾
Height, inches.....	4
Per dozen.....	<b>\$4.50</b>
Weight per doz., lbs.....	10

**BREAD PANS.**

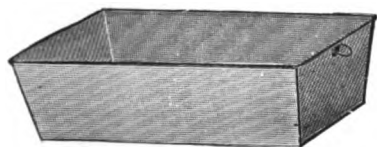
REFINED SMOOTH STEEL. RING ON ONE END.



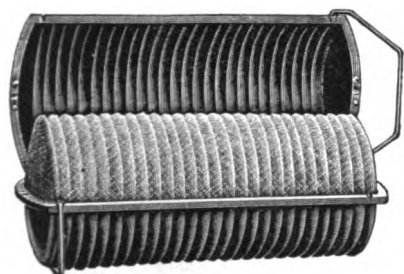
Code.....	Gaumall	Gaumange
Numbers .....	<b>12</b>	<b>18</b>
Top measurement, inches.....	5¼ x 10½	6 x 11½
Height, inches.....	3	3
Per dozen.....	<b>\$2.10</b>	2.30
Weight per doz., lbs.....	12	15

**BREAD PANS.**

PLANISHED IRON. WIRED. RING ON ONE END.



Code.....	Gaumart
Number.....	<b>28</b>
Top measurement, inches.....	6 x 11½
Height, inches.....	3
Per dozen.....	<b>\$5.20</b>
Weight per doz., lbs.....	15

**"QUAKER" BREAD PANS.**BEST QUALITY STEEL. CRIMPED CRUSTS. EVENLY  
BROWNED. TWO PANS IN ONE.

Code.....	Gaumasch
Diameter, inches.....	<b>4½</b>
Length, inches.....	11
Per dozen.....	<b>\$4.80</b>
Weight per case, lbs.....	84
Shipping measurement per case, cubic feet.....	3¾

Six dozen in a case.

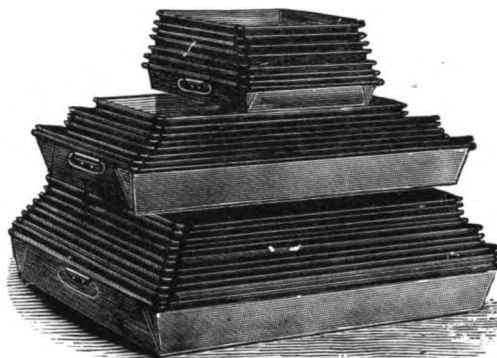
**MINERS' GOLD PANS.**

Code.....	Gaumfin	Gaumfros	Gauminse
Numbers .....	<b>41</b>	<b>42</b>	<b>48</b>
Inches.....	16½ x 2¾	16½ x 2¾	16½ x 2¾
Finish.....	Unpolished	Polished	Russia
Per dozen.....	<b>\$6.00</b>	6.50	16.50
Weight per doz., lbs.....	17	17	17
Weight per case, lbs.....	225	225	225
Shipping measurement per case, cubic feet.....	4½	4½	4½

Twelve dozen in a case.

**DRIPPING PANS.**

REFINED SMOOTH STEEL.



Every pan oiled to prevent rust.

Code .....	Gaumkant	Gaumkron	Gaumrich	Gauplat	Gausach	Gaustole	Gautizamo
Size, inches.....	<b>6x9</b>	<b>6½x13</b>	<b>7x14</b>	<b>7½x9</b>	<b>8x10</b>	<b>8x12</b>	<b>8x17</b>
Per dozen.....	\$1.75	2.45	2.65	2.05	2.20	2.55	3.45
Weight per package, lbs.....	27	39	45	33	37	40	55
Shipping measurement per package, cubic ft.	¾	1	1	1¼	1½	1	1½

Three dozen in a package.

Code .....	Gauzane	Gauzeate	Gauziter	Gayadera	Gayamot	Gayber	Gayetis
Size, inches .....	<b>8½x15</b>	<b>9x12</b>	<b>9x14</b>	<b>9x15</b>	<b>9x17</b>	<b>9½x16½</b>	<b>10x10</b>
Per dozen.....	\$3.10	2.60	3.00	3.45	3.65	3.90	2.75
Weight per package, lbs.....	49	46	52	55	62	58	45
Shipping measurement per package, cubic ft.	1½	1¼	1½	1½	1¾	1¾	1½

Three dozen in a package.

Code .....	Gayetone	Gayetter	Gayiform	Goyones	Gayoneta	Gazantes	Gazardan
Size, inches .....	<b>10x12</b>	<b>10x14</b>	<b>10x15</b>	<b>10x16</b>	<b>10x17</b>	<b>10x19</b>	<b>11x11</b>
Per dozen.....	\$3.05	3.40	3.50	3.75	4.00	4.25	3.00
Weight per package, lbs.....	49	55	61	63	66	69	46
Shipping measurement per package, cubic ft.	1½	1½	1¾	1¾	1¾	2	1½

Three dozen in a package.

Code .....	Gazaruck	Gazoher	Gazucame	Gazucandi	Gazucari	Gazuin	Gebarte
Size, inches .....	<b>11x15</b>	<b>11x16</b>	<b>11x17</b>	<b>12x12</b>	<b>12x14</b>	<b>12x17</b>	<b>12x19</b>
Per dozen.....	\$3.90	4.15	4.25	3.50	4.00	4.45	4.85
Weight per package, lbs.....	62	64	69	52	61	75	81
Shipping measurement per package, cubic ft.	1½	1½	2	1½	1½	2¼	2½

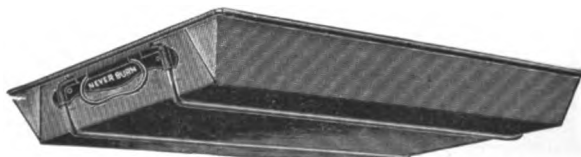
Three dozen in a package.

Code .....	Gebearim	Gebedero	Gebedizo	Gebedore	Gebedouri	Geberace	Geberasp
Size, inches .....	<b>13x13</b>	<b>14x14</b>	<b>14x15</b>	<b>14x17</b>	<b>16x17</b>	<b>16x20</b>	<b>18x19</b>
Per dozen.....	\$4.00	4.50	4.75	5.00	5.50	6.25	6.50
Weight per package, lbs.....	64	67	72	87	91	104	106
Shipping measurement per package, cubic ft.	1½	2½	2½	2½	3	3½	3½

Three dozen in a package.

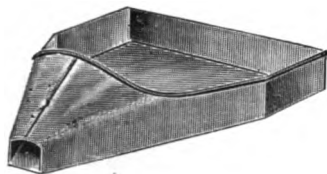
**"NEVER-BURN" DRIPPING PANS.**

WOOD'S REFINED IRON. COPPERED STEEL RODS FROM END TO END. HANDLES WITH STOPS.



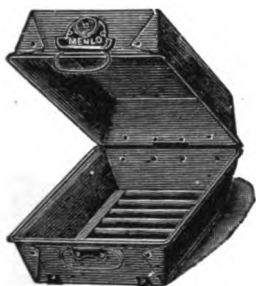
Code.....	Geberrot	Gebidast	Gebinde	Geblead	Gebloote	Gebratise
Size, inches.....	<b>9x14x2½</b>	<b>10x12x2½</b>	<b>10x15x2½</b>	<b>11x16x2½</b>	<b>12x17x2½</b>	<b>16x17x2½</b>
Per dozen .....	\$3.50	3.75	4.00	4.50	5.00	6.00
Weight per dozen, lbs.....	19½	21	22½	24	26¼	35
Shipping measurement per case, cubic feet...	3¼	3¼	4¼	5¼	5¾	7¼

One-half dozen in a package. Three dozen in a case.

**H. M. & S. CRAIN PANS.**

PLANISHED IRON HEAVY. WITH FUNNEL ENDS.

Code.....	Gebranore
Width, inches.....	11½
Length, inches.....	15½
Per dozen .....	\$27.00
Weight per doz., lbs.....	18

**"MENLO" ROASTING PANS.**REFINED IRON. BOTTOM STRIPS. REMOVABLE GRATE.  
NICKEL-PLATED VENTILATORS.

Code.....	Gedachter	Gedafter	Gedaggle	Gedank	Gedarfe
Numbers.....	1	2	8	4	5
Length, inches	13½	16	17½	19	21
Width, inches..	8½	10½	11½	13	14½
Height, inches	6½	7½	8½	9¼	10
Each .....	\$1.00	1.25	1.50	1.75	2.00
Wt. per doz., lbs...	38	54	64	78	93
Me. per crate, cu. ft.	2¾	3½	4½	5	6½

One and one-half dozen in a crate.

**"BROWN BEAUTY" NEVER  
BURN ROASTER AND BAKERS.**WOOD'S REFINED IRON. COPPERED STEEL RODS  
FROM END TO END. HANDLES WITH STOPS.

INSIDE RACK.

Code .....	Gedauber	Gedazzled	Geddepane	Gedecker
Numbers.....	54	55	56	57
Length, inches	14	15	16	17
Width, inches .....	9½	10	11	12
Height, inches.....	7	7½	8	8½
Per dozen.....	\$6.50	7.50	9.00	10.75
Wt. per doz., lbs....	44½	51½	55½	66
Ship. meas. per doz., cu. ft.	3½	4	4½	5½

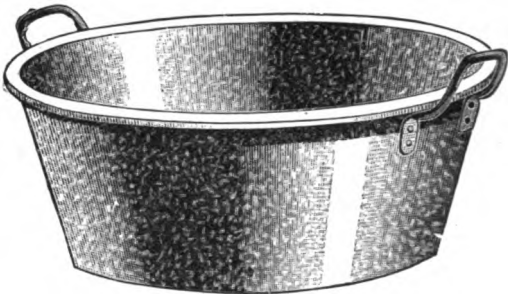
One-half dozen in a crate.

DISH PANS.

GALVANIZED. STAMPED.

Code.....	Gedehuiz	Gedeksal	Gedelare
Quarts.....	8	10	14
Top diameter, inches.....	14	14½	16¼
Height, inches.....	4¾	5½	5½
Per dozen.....	\$7.70	8.60	9.50
Weight per case, lbs.....	54	73	94
Shipping measurement per case, cu. ft..	3¼	3¾	5¼
Code.....	Gedelker	Gedelmed	Gedelvin
Quarts.....	17	21	30
Top diameter, inches.....	17¾	19½	20¾
Height, inches.....	5¾	6	6½
Per dozen.....	\$11.20	13.80	24.10
Weight per case, lbs.....	107	114	150
Shipping measurement per case, cu. ft..	6	7	9

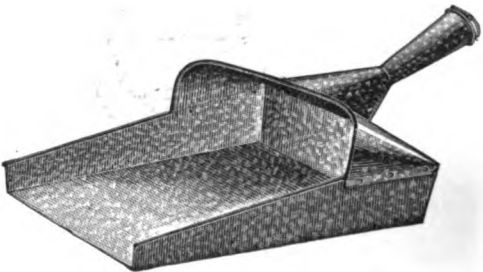
One-quarter dozen in a package. Three dozen in a case.



H. M. & S. DUST PANS.

GALVANIZED NO. 24 GAUGE IRON. EXTRA STRONG.  
HALF COVERED.

Code.....	Gedenkeit
Width at blade, inches.....	13
Length, inches.....	12
Per dozen .....	\$24.00
Weight per doz., lbs.....	26



“ACME” FRY PANS.

STEEL. COLD HANDLES. DEEP. POLISHED. LIPPED.

Code.....	Gedeplats	Gedheme	Gedillen	Gedilzek	Gedleger
Numbers .....	00	0	1	2	3
Top diam., inches...	6	8	8½	9	9½
Per dozen .....	\$2.50	3.00	3.75	4.25	4.75
Dozen in a barrel...	24	24	20	16	16
Wt. per barrel, lbs.	162	214	222	214	230
Code.....	Gedomp	Gedouz	Gedreuk	Gedride	
Numbers .....	4	5	6	7	
Top diameter, inches...	10	11	12	13	
Per dozen .....	\$5.25	6.00	7.00	8.00	
Dozen in a barrel.....	12	10	8	6	
Wt. per barrel, lbs.....	202	192	198	178	
Shipping measurement	per barrel, cubic feet				5½

One-quarter dozen in a package.



**POLISHED FRY PANS.**

STEEL. DEEP LIPPED.

Code .....	Gedstede	Gedwarfe	Gedwelw	Geerelish	Geerhack
Numbers.....	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Top diam. inches.	7 $\frac{3}{8}$	8 $\frac{1}{2}$	9	9 $\frac{3}{8}$	10
Bottom diam. in..	6	6 $\frac{1}{2}$	7	7 $\frac{1}{2}$	8
Height, in....	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	2
Per doz.....	\$2.00	2.40	2.80	3.20	3.60
Wt. per doz. lbs..	8	10	11	12	13

Code.....	Geermeld	Geesemlo	Gefaller	Gefamato
Numbers .....	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
Top diameter, in....	11 $\frac{1}{4}$	12	13 $\frac{1}{8}$	14 $\frac{1}{8}$
Bottom diam., in....	9	10	10 $\frac{1}{2}$	11 $\frac{1}{2}$
Height, inches.....	2	2	2 $\frac{1}{4}$	2 $\frac{1}{4}$
Per dozen.....	\$4.00	4.60	5.20	6.00
Wt. per doz., lbs.....	16	20	24	33

One-half dozen in a package.

**TINNED FRY PANS.**

WROUGHT STEEL. EXTRA STRONG. DEEP. HAMMERED.

Code.....	Gefardo	Gefendi	Gefensen	Gefensita	Gefessur
Numbers.....	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Top diam., inches...	8 $\frac{1}{2}$	9	9 $\frac{3}{4}$	10	10 $\frac{1}{2}$
Bottom diam., in....	6 $\frac{1}{2}$	7	7 $\frac{1}{2}$	8 $\frac{1}{4}$	8 $\frac{3}{4}$
Height, inches...	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	2	2
Per doz .....	\$5.00	5.50	6.00	7.00	8.00
Wt. per doz. lbs	16	18	21	23	25

Code.....	Gefibrine	Gefingen	Gefoder
Numbers.....	<b>5</b>	<b>6</b>	<b>7</b>
Top diameter, inches.....	11	11 $\frac{3}{4}$	12
Bottom diameter, inches.....	9 $\frac{1}{4}$	9 $\frac{3}{4}$	10 $\frac{1}{4}$
Height, inches.....	2	2	2
Per doz.....	\$9.00	10.00	11.50
Weight per doz., lbs.....	27	36	40

Code.....	Geforcer	Gehabeba	Gehabere
Numbers .....	<b>8</b>	<b>9</b>	<b>10</b>
Top diameter, inches.....	13	14	14 $\frac{1}{2}$
Bottom diameter, inches.....	10 $\frac{3}{4}$	11 $\frac{1}{4}$	11 $\frac{3}{4}$
Height, inches.....	2 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$
Per doz.....	\$13.00	14.50	16.00
Weight per doz., lbs.....	44	47	56

One-half dozen in a package.

**BROOKLYN SKILLETS.**

COLD ROLLED STEEL. NO. 16 GAUGE. LIGHT.

POLISHED. LIPPED. COLD HANDLES.



Code.....	Gehaurim.	Gehauser	Gehavite
Numbers.....	<b>7</b>	<b>8</b>	<b>9</b>
Top diameter, inches.....	9	10 $\frac{1}{4}$	11 $\frac{1}{4}$
Bottom diameter, inches.....	8	9	10
Height, inches.....	2	2	2 $\frac{1}{4}$
Each .....	\$.....	.....	.....
Weight each, lbs.....	.....	.....	.....

**"EMPIRE" SPIDERS.**

COLD ROLLED STEEL. NO. 14 GAUGE. EXTRA HEAVY.  
POLISHED. LIPPED. COLD HANDLES.

Code.....	Gehiver	Gehuske	Geicham	Geichank	Geichfur
Numbers.....	7	8	9	10	11
Top diam., inches..	9	10¼	11¼	12¼	13¼
Bottom diam., in...	8	9	10	11	12
Height, inches	2	2	2¼	2¼	2¼
Each .....	\$0.65	.75	.90	1.10	1.30
Wt. each, lbs..	2	2½	3	3¼	3½

**"EMPIRE" GRIDDLES.**

COLD ROLLED STEEL. EXTRA HEAVY. POLISHED.  
COLD HANDLES.

Code.....	Geichgrub	Geichmas	Geichsack
Number.....	8	9	10
Outside diameter, inches....	9	10	11
Cooking surface, inches.....	8¾	9¾	10¾
Height, inches.....	¾	¾	¾
Each.....	\$0.60	.70	.80
Weight each, lbs.....	2	2½	3

**POTATO OR CRULLER FRIERS**

WROUGHT STEEL. POLISHED.

Code .....	Geichsohl	Geichzugg	Geidade
Inches .....	9	10	12
Bottom diameter, inches.....	7½	8½	10
Height, inches.....	2½	2¾	3
Each.....	\$1.80	2.20	2.50
Weight each, lbs.....	2	2½	2¾

**H. M. & S. AMALGAM PAILS.**

HEAVY PLANISHED IRON.

EXTRA HEAVY BAILS, EARS AND BOTTOM BANDS.

Code.....	Geidamer	Geifero
Size .....	Small	Large
Top diameter, inches.....	8¾	11½
Height, inches.....	8	10
Each.....	\$3.90	5.60
Weight each, lbs.....	4	6½

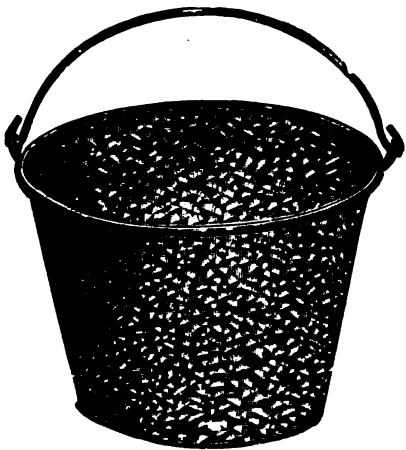


**H. M. & S. FLARING PAILS.**

GALVANIZED. HEAVY.

Code.....	Geiloches	Geinarcho	Geinberg	Geinfrass	Geinharte
Quarts.....	<b>14</b>	<b>16</b>	<b>18</b>	<b>23</b>	<b>28</b>
Top diam., inches..	13	14	15	16½	17
Bottom diam., in....	9	9¾	10½	11¼	13½
Height, inches.	8¾	8¾	9	9¾	9¾
Per dozen .....	\$8.60	10.00	13.50	15.00	21.00
Per doz. wired lbs..	35½	38	40	50	62

Two dozen in a package.

**MULE OR STOCK PAILS.**

GALVANIZED. HEAVY.

Code .....	Geinklad	Geinkohl	Geinkreb	Geinmesse	Geinschal
Quarts.....	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>
Top diam., inches..	12	12¾	13	14¼	14¾
Bottom diam., in....	8¾	9	9	9½	10
Height, inches	9	9¾	9½	10½	10½
Per dozen.....	\$9.50	10.30	11.20	12.90	14.60
Per doz. wired, lbs.	28	30	33	40	45

Two dozen in a package.

**Shipping Measurements of Flaring and Mule Pails.**

Size, quarts .....	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>23</b>	<b>28</b>
Two dozen wired, cubic feet.....	2½	2½½	2½½	3½½	3½½	4½	5

**FIRE PAILS.**

GALVANIZED. ROUND BOTTOMS.

Code.....	Geischrif
Number .....	<b>112</b>
Quarts.....	12
Top diameter, inches.....	10½
Bottom diameter, inches.....	8¾
Height of body, inches .....	9
Per dozen .....	\$8.00
Weight per crate, lbs.....	90
Shipping measurement per crate, cubic feet.....	5

Three dozen in a crate.

**FIRE PAILS.**

GALVANIZED. ROUND BOTTOMS.

PAINTED RED OUTSIDE.

Code.....	Geisarg
Number.....	<b>212</b>
Quarts.....	12
Top diameter, inches.....	10½
Bottom diameter, inches.....	8¾
Height of body, inches.....	9
Per dozen.....	<b>\$10.00</b>
Weight per crate, lbs.....	91
Shipping measurement per crate, cubic feet.....	5
Three dozen in a crate.	

**H. M. & S. FRUIT-PACKING PAILS.**

GALVANIZED.

Code.....	Gekader
Number.....	<b>140</b>
Quarts.....	14
Top diameter, inches.....	13¾
Height, inches.....	8¾
Per dozen.....	<b>\$7.00</b>
Weight per doz., lbs.....	27½
Shipping measurement two doz., cubic feet.....	4½

**H. M. & S. GALLEY PAILS.**

GALVANIZED. EXTRA HEAVY.

Code.....	Gekamp
Diameter, inches.....	<b>14</b>
Height, inches.....	15
Each.....	<b>\$7.00</b>
Weight each, lbs.....	14

**H. M. & S. STRAIGHT PAILS.**

GALVANIZED. HEAVY.

Code.....	Gekeerle	Gekeurde	Geklapt
Quarts.....	<b>14</b>	<b>18</b>	<b>21</b>
Top diameter, inches.....	12	14	14½
Bottom diameter, inches.....	9	9¾	10¾
Height, inches.....	9	9¾	10½
Per dozen.....	<b>\$10.50</b>	11.50	13.00
Weight per dozen, lbs.....	32	40	47

Two dozen in a package.



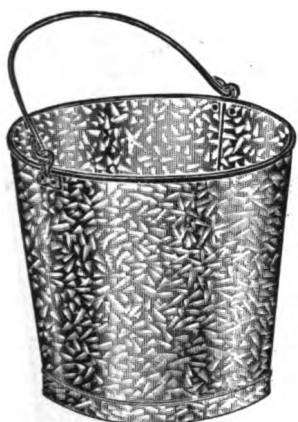


**WATER PAILS.**

GALVANIZED. LIGHT.

Code.....	Gekorend	Gekrans	Gelabber	Geladam	Gelamour
Quarts.....	8	10	12	14	16
Top diam., in...	9 $\frac{3}{4}$	10	11	11 $\frac{1}{2}$	12
Bottom diam.in.	7 $\frac{3}{4}$	8 $\frac{3}{4}$	8 $\frac{1}{2}$	9 $\frac{3}{4}$	10
Height, inches..	8 $\frac{1}{2}$	9	9 $\frac{1}{2}$	10 $\frac{3}{4}$	11
Per dozen .....	\$4.90	5.40	6.30	7.20	8.90
Per doz., wired, lbs...	20	23	27 $\frac{1}{2}$	32	40

Two dozen in a package.

**IRON CLAD PAILS.**

GALVANIZED. HEAVY MALLEABLE EARS.

Code.....	Gelamund	Gelamute	Gelanast
Numbers .....	110	112	114
Quarts.....	10	12	14
Top diameter, inches.....	10 $\frac{1}{2}$	11 $\frac{1}{2}$	12
Bottom diameter, inches.....	8 $\frac{1}{2}$	9 $\frac{3}{4}$	9 $\frac{1}{2}$
Height, inches.....	9 $\frac{3}{4}$	9 $\frac{3}{4}$	10 $\frac{1}{2}$
Per dozen.....	\$8.90	10.00	10.60
Weight per dozen, lbs.....	36	44	47

**Shipping Measurements of Straight and Water Pails.**

Quarts.....	8	10	12	14	16	18	21
Two dozen, wired, cubic feet.....	1 $\frac{3}{4}$	2 $\frac{1}{2}$	2 $\frac{7}{12}$	3	3 $\frac{3}{4}$	3 $\frac{5}{12}$	3 $\frac{1}{2}$

**H. M. & S. STRAIGHT PAILS.**

GALVANIZED. HEAVY. MALLEABLE EARS.

BRACED AND HOOPED BOTTOMS.

Code.....	Gelaster
Number .....	116
Quarts.....	16
Top diameter, inches.....	12
Bottom diameter, inches.....	9 $\frac{3}{4}$
Height, inches.....	12
Per dozen .....	\$19.50
Weight per dozen, lbs.....	65
Shipping measurement per dozen, cubic feet.....	3 $\frac{3}{4}$

**H. M. & S. TAR PAILS.**

GALVANIZED. NO. 20 GAUGE IRON. HEAVY.

MALLEABLE EARS. HOOPED BOTTOMS.

Code.....	Geldrage
Quarts.....	<b>14</b>
Top diameter, inches.....	11 $\frac{1}{4}$
Bottom diameter, inches.....	9 $\frac{3}{4}$
Height, inches.....	10 $\frac{1}{4}$
Per dozen .....	\$.....
Weight per dozen, wired, lbs.....	100
Shipping measurement per dozen, cubic feet.....	3 $\frac{1}{2}$

**U. S. PAILS.**

GALVANIZED. HEAVY. WROUGHT EARS.

BRACED BOTTOMS.

Code.....	Gelemento
Number.....	<b>216</b>
Quarts .....	16
Top diameter, inches.....	12
Bottom diameter, inches.....	9 $\frac{1}{4}$
Height, inches.....	12
Per dozen .....	<b>\$20.00</b>
Weight per dozen, wired, lbs.....	65
Shipping measurement per dozen, cubic feet.....	3 $\frac{1}{4}$

**U. S. PAILS.**

GALVANIZED. NO. 20 GAUGE IRON. EXTRA HEAVY.

WROUGHT STRAP EARS. BRACED BOTTOMS.

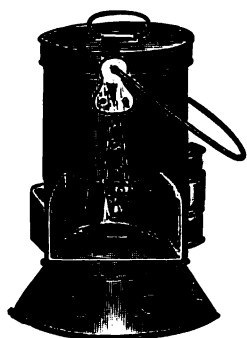
Code.....	Gelemite
Number.....	<b>314</b>
Quarts.....	14
Top diameter, inches.....	11
Bottom diameter, inches.....	9 $\frac{1}{2}$
Height, inches.....	11
Per dozen .....	<b>\$40.00</b>
Weight per dozen, lbs.....	95
Shipping measurement per dozen, cubic feet.....	3 $\frac{1}{2}$



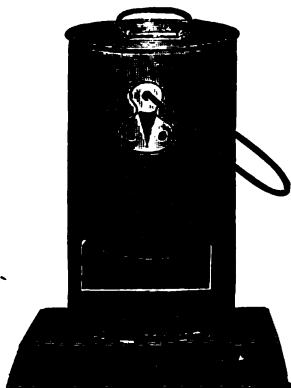
**CHAMBER PAILS.****GALVANIZED.**

Code.....	Geleper	Gelettend	Gelivisti
Numbers .....	<b>2</b>	<b>8</b>	<b>4</b>
Quarts.....	10	12	14
Top diameter, inches.....	8	8½	8¾
Bottom diameter, inches.....	7½	8	8½
Height, inches.....	9½	10	10½
Per dozen .....	\$10.30	11.20	12.90
Weight per crate, lbs.....	35	36	37
Shipping measurement per crate, cu. ft.	5½½	6½½	8½

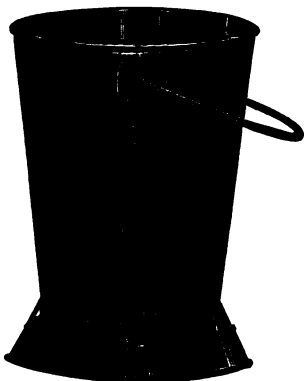
One dozen in a crate.

**H. M. & S. TELEGRAPH FIRE POTS.****REFINED SMOOTH STEEL.**

Code.....	Geliador
Top diameter, inches.....	<b>6½</b>
Height, inches.....	12½
Each.....	\$5.60
Weight each, lbs.....	4½

**H. M. & S. TINNERS' FIRE POTS.****REFINED SMOOTH STEEL.**

Code.....	Gelibatur
Diameter, inches.....	<b>7¾</b>
Height, inches.....	15
Each.....	\$4.50
Weight each, lbs.....	7½

**H. M. & S. PLUMBERS' FIRE POTS.****REFINED SMOOTH STEEL. HEAVY.**

Code.....	Geliacose
Top diameter, inches.....	<b>11</b>
Height, inches.....	14
Each .....	\$5.00
Weight each, lbs.....	7½

**H. M. & S. WATERING POTS.**

GALVANIZED. HEAVY.  
WITH REMOVABLE GALVANIZED ROSES.

Code.....	Gelicham	Gelidame	Gelisome	Gellabunt
Quarts.....	<b>10</b>	<b>14</b>	<b>18</b>	<b>21</b>
Diameter, inches...	8	9¼	10½	11¼
Height, inches.....	9¾	9	11¼	13½
Per dozen .....	<b>\$34.00</b>	42.00	50.00	66.00
Weight per doz., lbs.....	38	54	72	120

**WATERING POTS.**

GALVANIZED. CORRUGATED BODIES.  
WITH ZINC ROSES.

Code .....	Gellace	Gellagard	Gellatori
Numbers .....	<b>14</b>	<b>16</b>	<b>18</b>
Quarts .....	4	6	8
Diameter, inches.....	6	7½	8
Height, inches.....	6½	7½	8½
Per dozen.....	<b>\$7.80</b>	9.50	11.20
Weight per dozen, lbs.....	15	20	30

Code .....	Gellerick	Gelletto	Gellifer
Numbers .....	<b>110</b>	<b>112</b>	<b>116</b>
Quarts .....	10	12	16
Diameter, inches .....	8¾	9	10½
Height, inches.....	10¼	11	12
Per dozen.....	<b>\$12.90</b>	14.60	18.00
Weight per doz., lbs.....	33	36	51

**H. M. & S. STATE ROOM RECEIVERS.**

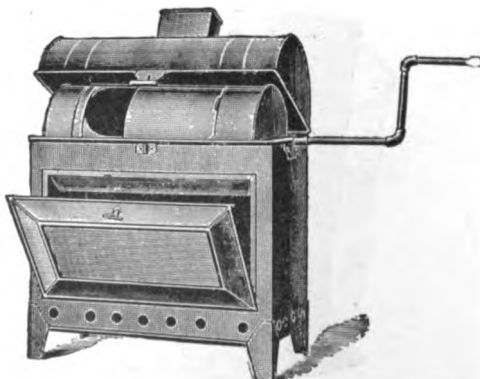
GALVANIZED. HEAVY.

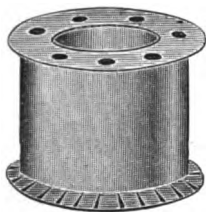
Code.....	Gelocker
Top diameter, inches.....	<b>9¼</b>
Height, inches.....	<b>10¾</b>
Per dozen .....	<b>\$.....</b>
Weight per doz., lbs.....	33

**H. M. & S. COFFEE OR PEANUT ROASTERS.**

JAPANNED BLACK. WITH DISTRIBUTING FLANGES  
INSIDE CYLINDER.

Code .....	Geloerde	Geloman	Gelonoid
Gallons.....	<b>2</b>	<b>8</b>	<b>15</b>
Capacity coffee, lbs.....	7 to 10	20 to 30	50 to 60
Inches.....	18x9¼	26¾x14½	33½x18½
Height, inches .....	21¼	29¼	33
Each .....	<b>\$10.50</b>	27.00	40.00
Weight each, lbs.....	19	66	102
Shipping meas. each, cu. ft.	2½	7	12¼

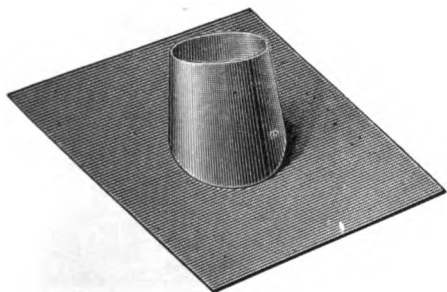


**H. M. & S. CEILING SAFES—IX.**BRIGHT TIN. DOUBLE TELESCOPE SIDES.  
ADJUSTABLE.

Code.....	Geloptero	Gelostem	Gelothrip
Inches .....	5	5½	6
Outside diameter, inches.....	10	10	11¼
Adjustable width, inches.....	6 to 9	6 to 9	6 to 9
Per dozen.....	\$16.00	16.00	16.00
Weight per doz., lbs.....	42	45	48

**H. M. & S. ROOF SAFES—IC.**

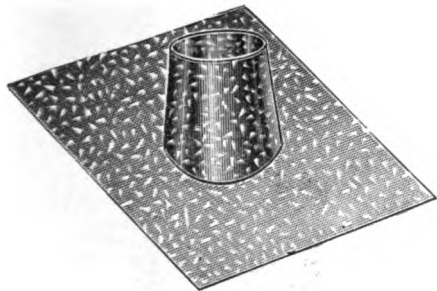
ROOFING TERNE. MADE ¼, ⅓ AND ½ PITCH.



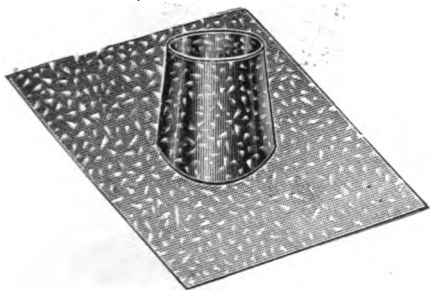
Code, ¼ pitch.....	Gelsamo	Gelsinure
Code, ⅓ pitch.....	Geltado	Geltram
Code, ½ pitch.....	Geluste	Gemalor
Numbers.....	5	6
Size pipe, inches.....	5	6
Plate, inches.....	14x20	14x20
Per dozen.....	\$4.60	4.60
Weight per dozen, lbs.....	15	18

**H. M. & S. ROOF SAFES.**

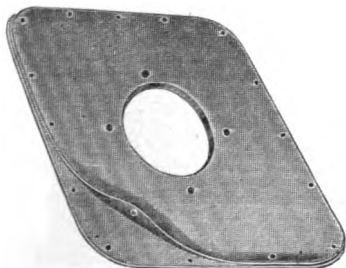
GALVANIZED NO. 26 GAUGE IRON. MADE ¼, ⅓ AND ½ PITCH.



Code, ¼ pitch.....	Gemaron	Gematter	Gemerend	Gemiddel	Gemolari
Code, ⅓ pitch.....	Gempost	Gemuzzle	Genader	Gendatur	Gendecimo
Code, ½ pitch.....	Gendidor	Gendigamo	Genedico	Genedixer	Genefacto
Numbers .....	15	15½	16	17	18
Size pipe, in... ..	5	5½	6	7	8
Plate, inches ..	15x20	15x20	15x20	20x24	20x24
Per dozen.....	\$10.50	12.00	14.00	18.00	24.00
Wt per doz., lbs...	30	30	33	45	57

**H. M. & S. ROOF SAFES.**GALVANIZED. NO. 26 GAUGE IRON. FOR TERRA COTTA  
CHIMNEYS. MADE ¼ AND ⅓ PITCH.

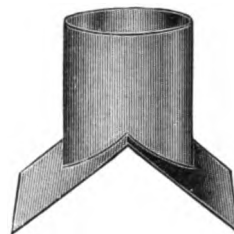
Code, ¼ pitch.....	Genemerit	Genfacent
Code, ⅓ pitch.....	Genihass	Genomene
Numbers .....	25	26
Size pipe, terra cotta, inches.....	5	6
Plate, inches.....	18x20	20x24
Per dozen.....	\$16.00	24.00
Weight per dozen, lbs.....	36	45

**H. M. & S. TENT SAFES—IC.**ROOFING TERNE. TWO ROUND PLATES. EDGE TURNED  
IN PIPE HOLE.

Code .....	Genoodig
Number .....	35
Size pipe, inches.....	5
Size plate, inches.....	14x14
Per dozen .....	\$8.75
Weight per dozen, lbs.....	16

**H. M. & S. ROOF SADDLES—IC.**ROOFING TERNE. MADE  $\frac{1}{4}$  AND  $\frac{1}{3}$  PITCH.

Code, $\frac{1}{4}$ pitch.....	Genoorde	Gensilo
Code, $\frac{1}{3}$ pitch.....	Gentinge	Gentinek
Numbers .....	5	6
Size pipe, inches.....	5	6
Plate, inches.....	14x20	14x20
Per dozen.....	\$.....	.....
Weight per dozen, lbs.....	.....	.....

**H. M. & S. ROOF SADDLES.**GALVANIZED. NO. 26 GAUGE IRON. MADE  
 $\frac{1}{4}$  AND  $\frac{1}{3}$  PITCH.

Code, $\frac{1}{4}$ pitch.....	Gentiapac	Genzamil
Code, $\frac{1}{3}$ pitch.....	Genzodore	Genziment
Numbers .....	15	16
Size pipe, inches.....	5	6
Plate, inches.....	15x20	15x20
Per dozen.....	\$.....	.....
Weight per dozen, lbs.....	.....	.....

**DECK IRONS WITH WATER CUPS.**GALVANIZED. FOR PIPE HOLES IN VESSELS. A PRO-  
TECTION AGAINST FIRE AND WATER.

Code .....	Gezolate	Geology	Geologize	Geometry
Diameter of hole, in....	4	4½	5	5½
Bottom diameter, in....	7½	8	8½	8¾
Each.....	\$1.75	2.00	2.25	2.50
Weight each, lbs.....	8	9	10	11
Code .....	Georderun	Geortarche	Geotism	
Diameter of hole, inches.....	6	7	8	
Bottom diameter, inches.....	9½	10	11	
Each.....	\$3.00	4.00	5.00	
Weight each, lbs.....	12	15	18	

**H. M. & S. PUMP STRAINERS.**

GALVANIZED. HEAVY. STANDARD PIPE THREADS.

Code.....	Geptend	Geraldo	Geramend
Inch.....	½	¾	1
Bottom diameter, inches.....	3	3¾	4½
Each .....	\$1.00	1.20	1.40
Weight per doz., lbs.....	.....	.....	.....
Code.....	Gramet	Gramnet	Grathun
Inches.....	1½	1½	2
Bottom diameter, inches.....	5	6	6¾
Each .....	\$1.60	1.80	2.50
Weight per doz., lbs.....	.....	.....	.....



**H. M. & S. OIL TANKS.**

GALVANIZED. FUNNEL TOP WITH COCK.

Code.....	Gerenhoke	Gerenklaw	Gerenmut	Geriband	Gerichin
Gallons .....	5	10	15	20	50
Diam., inches..	11 1/4	13 1/2	15 1/2	18	23
Height, inches	18 1/2	20 1/2	23	23	35 1/2
Each .....	\$4.00	5.00	6.00	7.00	12.00
Weight each...	7 1/2	9	11 1/2	14	27
Meas. each, cu. ft.	1 1/4	2 3/4	3 3/4	4 3/4	10 3/4

**H. M. & S. OIL TANKS.**GALVANIZED. WITH STEADY STREAM PUMP WHICH  
CAN BE DETACHED AND USED IN PUMPING OIL  
FROM BARREL INTO TANK.

Code.....	Gerispan	Gerkenbist
Numbers .....	150	250
Gallons.....	50	50
Finish .....	Plain	Japanned
Diameter, inches.....	24	24
Height, inches.....	43 1/2	43 1/2
Each .....	\$20.00	24.00
Weight each, crated, lbs.....	55	55
Shipping measurement each, cu. ft.....	14 1/2	14 1/2

**H. M. & S. STOVE PIPE  
THIMBLES.**

REFINED SMOOTH STEEL.

Code .....	Gerkenole	Gerkensam	Gerlauden
Inches.....	5	5 1/2	6
Length, inches .....	4 1/2	4 1/2	6
Per dozen.....	\$2.20	2.20	2.20
Weight per doz., lbs.....	5	5	6

**"DIAMOND" THIMBLES.**

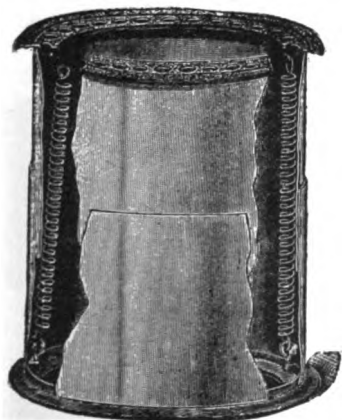
CAST IRON JAPANNED BLACK HEADS. TIN CYLINDERS.

Cylinders are secured to heads by being brazed to steel hooks which are cast into the heads.

The heads are connected by spiral steel springs whose tension adjusts them to any thickness required.

Code.....	Germelon	Gernadit	Gernardi
Inches .....	5	6	6
Extension, inches .....	6 to 12	4 to 8	6 to 12
Per dozen.....	\$11.00	11.00	12.00
Wt. per doz. crated, lbs.....	44	40	50
Ship. meas. per doz., cubic ft..	5 1/2	5	6 1/2

One-half dozen in a crate.



**CEILING PLATES.**

CAST IRON. JAPPANED BLACK.

To close the lower end of Diamond Thimbles.

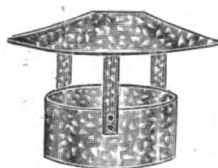
Code.....	Gernesch
Inches.....	6
Per dozen.....	\$2.75
Weight per doz., lbs.....	8½

One dozen in a package.

**H. M. & S. CHIMNEY CAPS.**

GALVANIZED NO. 24 GAUGE IRON.

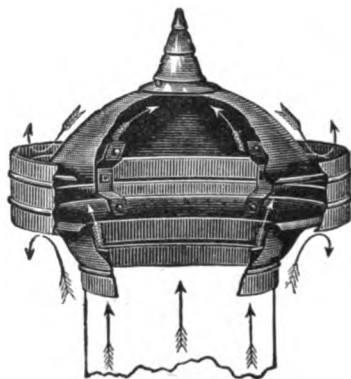
Code.....	Gernique	Gernulph	Geronicos
Inches.....	6	7	8
Per dozen.....	\$18.00	20.00	24.00
Weight per dozen, lbs.....	34	42	48

**"GLOBE" VENTILATOR AND CHIMNEY CAPS.**

GALVANIZED. SIMPLE. DURABLE.

NOISELESS. ORNAMENTAL. CURES SMOKY CHIMNEYS  
AND QUICKENS DRAFT IN SLUGGISH FLUES.

Code.....	Gerosome	Gerotha	Gerradore	Gerrazale
Size, inches.....	8	10	12	20
Capacity, square inches	51	79	113	314
Outside diam., inches...	13¾	17	.....	.....
Each.....	\$4.65	5.75	6.75	33.00
Weight each, lbs.....	5	7	.....	.....

**"CLIMAX" VENTILATOR AND CHIMNEY CAPS.**

GALVANIZED.

Code.....	Gerrepper	Gerricho	Gerrocale
Size, inches.....	2	8	4
Capacity, square inches ..	4	7	12
Outside diameter, inches.....	4	5½	7
Each .....	\$1.00	1.50	1.75
Weight each, lbs.....	¾	1¼	1¾
Code.....	Gersting	Gertaude	Gertellon
Size, inches.....	5	6	7
Capacity, inches.....	19	27	37
Outside diameter, inches.....	8¾	10¼	11¾
Each .....	\$2.50	3.50	4.00
Weight each, lbs.....	3	3¾	5¼



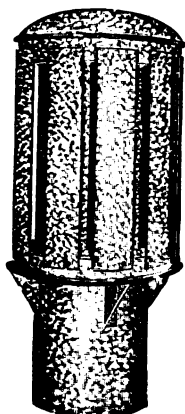




### H. M. & S. EMERSON CHIMNEY TOPS.

GALVANIZED.

Code.....	Gerularo	Gerustend	Gerytum	Gerzarone	Gerzassi
Size, inches....	5	5½	6	7	8
Top diam., inches...	11	12½	13½	15	18
Height, inches	10	14½	15½	16	18
Each.....	\$3.50	4.00	4.00	5.00	6.00
Wt. each, lbs..	4	5	6	8	12



### H. M. & S. LIVERPOOL CHIMNEY TOPS.

GALVANIZED.

A very desirable top for use on small boats.

Code.....	Gertescon	Gertharid	Gertuchie	Gertuzo
Inches.....	4	5	6	7
Top diameter, inches....	.....	.....	.....	10½
Height, inches.....	.....	.....	.....	24½
Each.....	\$.....	.....	.....	.....
Weight each, lbs.....	.....	.....	.....	.....



### H. M. & S. REVOLVING CHIMNEY TOPS.

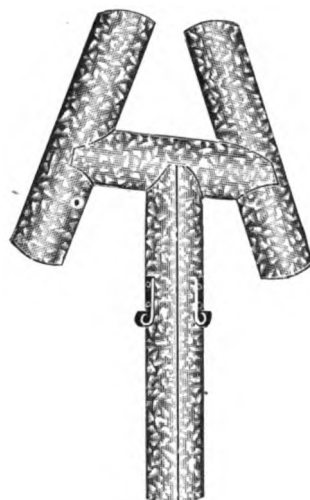
GALVANIZED.

Code.....	Gerzavat	Gesadir	Gesafter	Gesantade	Gesante
Size, inches....	5	5½	6	7	8
Top diam., inches...	9½	.....	10¼	.....	.....
Height, inches	36	.....	36	.....	.....
Each .....	\$6.00	6.50	7.00	7.50	.....
Wt. each, lbs..	6½	.....	8½	.....	.....

## H. M. & S. "A" CHIMNEY TOPS.

GALVANIZED.

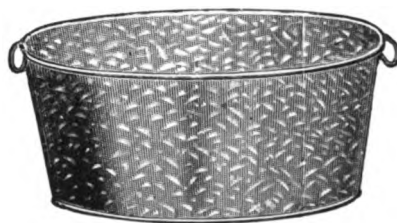
Code.....	Gesapado	Gesapagam	Gesapaker
Size, inches.....	<b>6</b>	<b>7</b>	<b>8</b>
Width, inches.....	31	36	40
Height, inches.....	36	36	36
Each .....	\$6.00	7.00	8.00
Weight each, lbs.....	10½	16	18½



## FOOT TUBS.

GALVANIZED.

Code .....	Gesaparte	Gesapunt	Gesarcadi
Numbers .....	<b>1</b>	<b>2</b>	<b>3</b>
Top measurement, inches...	16x11	17½x12¾	19½x15
Height, inches.....	8	9	9
Per dozen.....	\$10.30	12.00	13.80
Weight per dozen, lbs.....	29	36	41



## WASH TUBS.

GALVANIZED. HEAVY. PATENTED CLIPS AND DROP HANDLES.

Code.....	Gesarene	Geschan	Gesoffer	Gesoffend
Numbers .....	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
Top diameter, inches .....	18½	20½	22¾	24½
Bottom diameter, inches..	15	17¾	19½	21¾
Height, inches.....	9	10½	11	11
Per dozen.....	\$14.70	17.50	19.50	21.90
Wt. per doz., lbs....	55	80	90	100
Shipping measurement / per doz., cubic feet..	3¾	4½	5½	7

One-half dozen in a package.



## SECTION 10.

### CAST IRON HOLLOW WARE.

"ERIE" EXTRA FINISHED,  
GROUND AND UNGROUND,  
WHITE ENAMELED,  
FARMERS' BOILERS  
AND CALDRON KETTLES.



## HOLBROOK, MERRILL & STETSON,

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES

AND NEW YORK.

## CAST IRON HOLLOW WARE.

The material in these goods is the best.

The finish and style we aim always to have up-to-date.

In ordering goods from this section by telegraph it is only necessary to use the code word over the size of the article or articles wanted preceeded by words from the code in the front of this book.

Example: Cloddish getonsare getrusion getarpass.

Translation: Duplicate order for fourteen inch Dutch Ovens seven and eight inch Ground Spiders.

**"ERIE" ROUND BOTTOM POTS. POLISHED.**

EXTRA FINISHED.



Patented.

Code	Number.	Top Diameter, Inches.	Bottom Diameter, Inches.	Depth, Inches.	Capacity, Quarts.	Weight Each, Lbs.	Each.
Gestacam .....	7	9½	7¾	8¾	7	8	\$1.08
Gestaller .....	8	10¾	8¾	8¾	9	10	1.20
Gestalone.....	9	11½	9¾	9¾	12	11½	1.40

**"ERIE" ROUND BOTTOM KETTLES.**

POLISHED. EXTRA FINISHED.



Patented.

Code.	Number.	Top Diameter, Inches.	Bottom Diameter, Inches.	Depth, Inches.	Capacity, Quarts.	Weight Each, Lbs.	Each.
Gestapas.....	7	9½	7¾	7¾	6	7½	\$0.88
Gestella.....	8	10¾	8¾	8	8	8	1.00
Gestemid .....	9	11¾	9¾	8½	10	11	1.20

Equipped with improved Check and Side Bails to prevent rocking and tipping while pouring.  
Castings extra smooth without paint, gate marks or sand holes.

**"ERIE" FLAT BOTTOM KETTLES.**

POLISHED. EXTRA FINISHED.



Patented.

Code.	Number.	Top Diameter, Inches.	Bottom Diameter, Inches.	Depth, Inches.	Capacity, Quarts.	Weight Each, Lbs.	Each.
Gestinate .....	7	9¼	8¼	6¼	6	7½	\$0.92
Gestinamo .....	8	9¾	8¾	6¾	7	8	1.04
Gestinest.....	9	10¾	9¾	7	9	11	1.24

These Kettles have Flat Rimmed Bottoms, making them especially adapted for use on soft coal stoves without removing stove lid. They are also a most convenient Kettle for Gasolene, Oil and Gas Stoves.

Equipped with improved Check and Side Bail's.

**"ERIE" REGULAR SKILLETS OR SPIDERS.**

POLISHED. RIMMED BOTTOMS. EXTRA FINISHED.



Patented.

Code.	Number.	Top Diameter, Inches.	Bottom Diameter, Inches.	Depth, Inches.	Weight Each, Lbs.	Each.
Gestiterz.....	6	8¾	7½	2	3	\$0.43
Gestituit .....	7	9¾	8¼	2½	3½	.46
Gestomer .....	8	10¾	8¾	2¼	4	.50
Gestranca .....	9	11¼	9¾	2¼	4½	.58
Gestraver .....	10	11¾	10¼	2¼	5	.70
Gestrein .....	11	12½	10¾	2¼	5½	.88
Gestricto .....	12	13¼	11¾	2¼	6½	1.02

Clean, Smooth Castings. No sand holes.

**"ERIE" CAST ALUMINUM TEA KETTLES.**

TEMPERED SURFACE. POLISHED. FLAT BOTTOMS.



Patented.

Code.	Number.	Capacity, Quarts.	Weight Each, Lbs.	Each.
Gestruxer.....	28	6	3½	\$3.70

New, handsomely shaped spout, fine Ebony Handle with Cast Aluminum Supports. One in a box.

**"ERIE" TEA KETTLES.**

PIT BOTTOMS. RAISED COVERS.



Patented.

Code.	Number.	Capacity, Quarts.	Weight Each, Lbs.	Each.
Gesuade .....	7	5	8	\$0.95
Gesuaser .....	8	6	9	1.05
Gesudabas .....	9	8	12	1.15

Latest design and most improved pattern. Every Tea Kettle tested before shipment.

**"ERIE" SCOTCH BOWLS—POLISHED.**

EXTRA FINISHED.



Patented.

Code.	Number.	Top Diameter, Inches.	Bottom Diameter, Inches.	Depth, Inches.	Capacity, Quarts.	Weight Each, Lbs.	Each.
Gesudares .....	2	9 $\frac{3}{8}$	4 $\frac{3}{8}$	3 $\frac{3}{8}$	3	3 $\frac{1}{2}$	\$0.64
Gesudatio .....	3	10 $\frac{3}{8}$	5 $\frac{3}{8}$	4 $\frac{1}{8}$	4	5	.72
Gesuellar .....	4	11 $\frac{1}{2}$	6 $\frac{1}{8}$	4 $\frac{3}{8}$	5	7	.80
Gesulcaba .....	5	12	6 $\frac{3}{8}$	4 $\frac{3}{8}$	6	7 $\frac{1}{2}$	.88

**"ERIE" ROUND HANDLED GRIDDLES—POLISHED.**

RIMMED BOTTOMS. EXTRA FINISHED.



Patented.

Code.	Number.	Top Diameter, Inches.	Bottom Diameter, Inches.	Weight Each, Lbs.	Each.
Getachera .....	7	8 $\frac{1}{4}$	8 $\frac{5}{8}$	2 $\frac{1}{2}$	\$0.36
Getachion .....	8	9 $\frac{1}{4}$	9 $\frac{3}{8}$	3 $\frac{1}{2}$	.40
Getaglion .....	9	10 $\frac{1}{4}$	10 $\frac{3}{8}$	4	.44
Getalante .....	10	11 $\frac{1}{4}$	12	5	.58

**"ERIE" ROUND BAILED GRIDDLES.**

RIMMED BOTTOMS. EXTRA FINISHED.



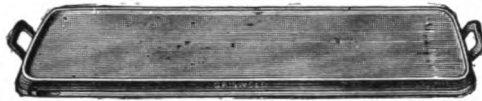
Patented.

Code.	Number.	Top Diameter, Inches.	Bottom Diameter, Inches.	Weight Each, Lbs.	Each.
Getallo .....	12	11 $\frac{1}{4}$	11 $\frac{3}{8}$	5	\$0.68
Getarmone .....	14	13 $\frac{1}{4}$	14	7	.90
Geteige .....	16	15 $\frac{1}{2}$	15 $\frac{3}{8}$	9	1.10



**"ERIE" LONG CRIDDLERS.**

PLAIN SMOOTH CASTINGS.



Patented.

Code.	Number.	Length, Inches.	Width, Inches.	Weight Each, Lbs.	Each.
Geterscha.....	7	16½	7¼	5½	\$0.60
Getglock.....	8	19	8½	7½	.70
Getidire.....	9	21	9¾	10	.86

These Castings are as fine as can be made, showing no gate marks or imperfections.

**"ERIE" DUTCH OVENS.**

POLISHED. WITH BAIL AND HANDLES. EXTRA FINISHED.



Patented.

Code.	Number.	Top Diameter, Inches.	Bottom Diameter, Inches.	Depth, Inches.	Capacity, Quarts.	Weight Each, Lbs.	Each.
Getinendo.....	8	10	9	4¼	5	8½	\$1.20
Getissera.....	9	11	10¼	4½	6	10½	1.40
Getmark.....	10	12½	11	5¼	8	12½	1.60

For Ovens without Covers deduct 30c. from above list.

**COMMON CAMP OR DUTCH OVENS.**

WITH COVERS AND BAILS. DEEP:



Code.	Size, Inches.	Outside Top Diameter, Inches.	Outside Bottom Diameter, Inches.	Inside Depth, Inches.	Average Weight Per Dozen, Lbs.	Per Dozen.
Getonase.....	<b>10</b>	10	8½	4	122	\$10.20
Getondeba.....	<b>11</b>	11	9¼	4¼	148	12.00
Getonnele.....	<b>12</b>	12	10¼	4¾	180	16.80
Getonsaba.....	<b>13</b>	13	11	5¼	217	20.40
Getonsare.....	<b>14</b>	14	12	5½	250	24.00
Getonucri.....	<b>15</b>	15	13	6	300	32.40
Getornato.....	<b>16</b>	16	14	6½	360	36.00

**ROUND AND PIT BOTTOM POTS.**

GROUND.



Round Bottom.

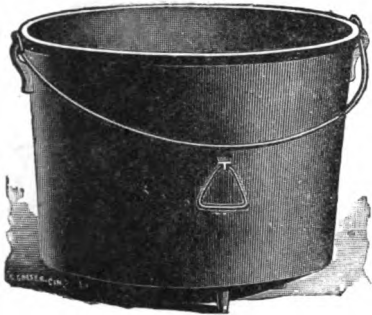


Pit Bottom.

Code.	Size, Inches.	Top Diameter, Inches.	Bottom Diameter, Inches.	Capacity, Quarts.	Weight Each, Lbs.	Each.
Getouche.....	<b>6</b>	8¾	7	5	6	\$0.65
Getournan.....	<b>7</b>	9½	8	7	7	.75
Getractor.....	<b>8</b>	10	9	9	8¼	.85
Getrahit.....	<b>9</b>	11½	10	12	9¾	1.00
Getraxer.....	<b>10</b>	13	11½	14	11	1.25

**ROUND AND PIT BOTTOM KETTLES.**

GROUND.

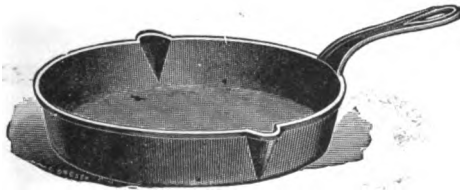


Round Bottom.



Pit Bottom.

Code.	Size, inches.	Top Diameter, Inches.	Bottom Diameter, Inches.	Capacity, Quarts.	Weight Each, Lbs.	Each.
Getrempa .....	6	9	7	4½	5¼	\$0.55
Getriche .....	7	9½	8	6	6½	.65
Getriumph .....	8	10¾	9	8	7¼	.70
Getrompie .....	9	12	10	10	9	.85
Getronam .....	10	14	12	12	10	1.00

**SPIDERS—GROUND.**

Code.	Size, Inches.	Top Diameter, Inches.	Bottom Diameter, Inches.	Depth, Inches.	Weight Each, Lbs.	Each.
Getrudist .....	6	8¾	7½	2	2¾	\$0.27
Getrusion .....	7	9¾	8¼	2½	3	.30
Geturpass .....	8	10¾	8¾	2¾	3½	.35
Geturpi .....	9	11¼	9¾	2¾	4	.40
Geudast .....	10	11¾	10¼	2¾	5	.50
Geudore .....	11	12½	10¾	2¾	6	.60

**PIT OR FLAT BOTTOM TEA KETTLES.**

Pit Bottom.

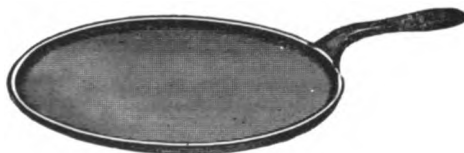


Flat Bottom.

Code.	Size, Inches.	Capacity, Quarts.	Weight Each, Lbs.	Each.
Geurbelle .....	6	4	7	\$0.75
Geurblade .....	7	5	8	.80
Geurbom .....	8	6	9	.90
Geurdorp .....	9	8	10	1.00

**ROUND HANDLED GRIDDLES.**

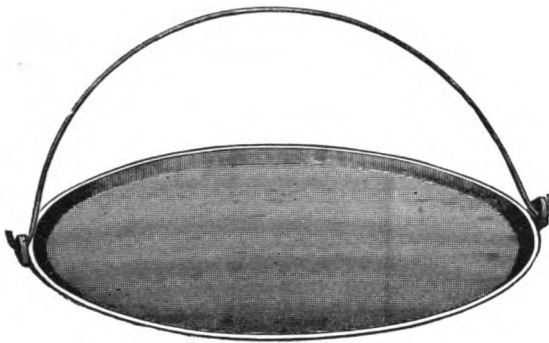
GROUND.



Code.	Size, Inches.	Weight Each, Lbs.	Each.
Geurduit .....	6	2	\$0.22
Geuredam .....	7	2½	.25
Geurklin .....	8	2¾	.27
Geurkord .....	9	3¼	.30
Geurpanel .....	10	5	.40

**ROUND BAILED CRIDDLES.**

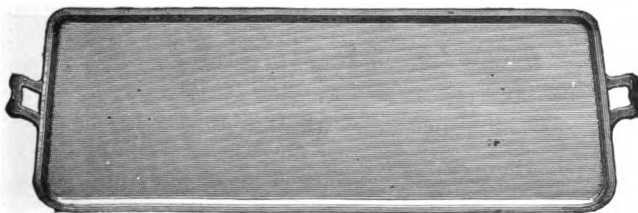
GROUND.



Code.	Size, Inches.	Weight Each, Lbs.	Each.
Geurposte .....	<b>10</b>	<b>4</b>	<b>\$0.40</b>
Geurschem .....	<b>12</b>	<b>5</b>	<b>.50</b>
Geurslote .....	<b>14</b>	<b>6½</b>	<b>.65</b>
Geurwast .....	<b>16</b>	<b>7½</b>	<b>.80</b>

**OBLONG CRIDDLES—SQUARE CORNERS.**

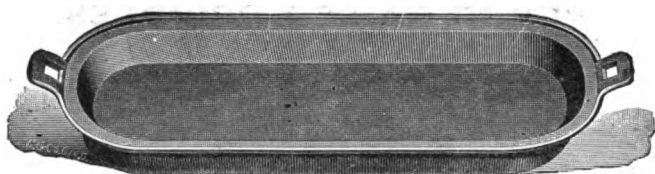
PLAIN, SMOOTH CASTINGS.



Code.	Number.	Length, Inches.	Width, Inches.	Weight Each, Lbs.	Each.
Geutebari .....	<b>6</b>	<b>16</b>	<b>8</b>	<b>5</b>	<b>\$0.50</b>
Geuterio .....	<b>7</b>	<b>18</b>	<b>8¾</b>	<b>6</b>	<b>.60</b>
Geutestab .....	<b>8</b>	<b>19¾</b>	<b>9¾</b>	<b>7</b>	<b>.70</b>
Geutewore .....	<b>9</b>	<b>21¾</b>	<b>10¾</b>	<b>8½</b>	<b>.85</b>

**DEEP LONG PANS OR SAD IRON HEATERS.**

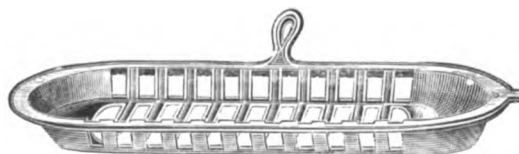
PLAIN. SMOOTH CASTINGS.



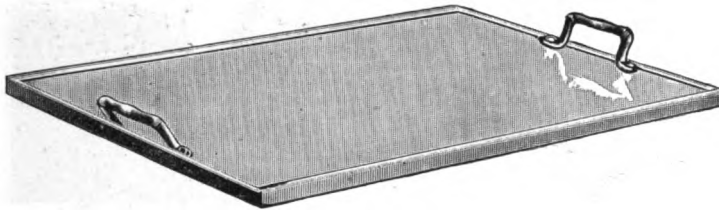
Code.	Size, Inches.	Weight Each, Lbs.	Each.
Geutoplas .....	6	5	\$0.50
Gevaler .....	7	5½	.55
Gevalemo .....	8	6½	.65
Gevaliser .....	9	8	.80

**SQUARE GRIDIRONS.**

Code.	Size, Inches.	Length, Inches.	Width, Inches.	Weight Each, Lbs.	Each.
Gevassant .....	6	10½	7½	3	\$0.30
Gevastado .....	7	10½	10	3½	.35
Gewelamos .....	8	12	10¾	4½	.45
Gevenanti .....	9	14½	14	5½	.55

**OVAL BROILERS.**

Code.	Number.	Length, Inches.	Width, Inches.	Depth, Inches.	Weight Each, Lbs.	Each.
Gevenbant .....	7	17½	8½	1½	4¼	\$0.45
Gevenbold .....	8	19½	9	1½	5½	.60

**SQUARE CAST IRON CAKE GRIDDLES.**

Code.	Number.	Length, Inches.	Width, Inches.	Weight Each, Lbs.	Polished, Each.	Unpolished, Each.
Geversuro.....	<b>1</b>	20	11	13 ½	\$2.50	.....
Geverteba.....	<b>2</b>	25	14	33 ½	5.00	.....
Geviator.....	<b>3</b>	26	16	51	8.00	.....

No. 1 has solid handles cast on griddles and round corners. Numbers 2 and 3 have handles riveted to griddle and square corners.

**WHITE ENAMELED HOLLOW WARE.**

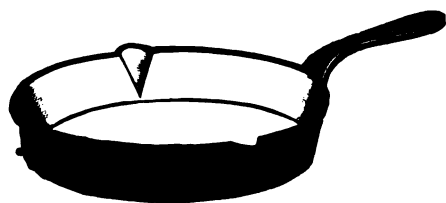
TRIUMPH ROUND BOTTOM POTS.



TRIUMPH ROUND BOTTOM KETTLES.



Code.	Size, Inches.	Weight Each, Lbs.	Each.	Code.	Size, Inches.	Weight, Each, Lbs.	Each.
Gevisch.....	<b>7</b>	9	\$0.75	Gevizoba.....	<b>7</b>	7 ½	\$0.65
Gevituro.....	<b>8</b>	9 ½	.85	Gevizorde .....	<b>8</b>	9 ¼	.70
Gevizion.....	<b>9</b>	12 ½	1.00	Gevizupt.....	<b>9</b>	11	.85

**WHITE ENAMELED HOLLOW WARE.**

TRIUMPH SPIDERS.



TRIUMPH TEA KETTLES. PIT BOTTOMS.

Code.	Size, Inches.	Weight Each, Lbs.	Each.	Code.	Size, Inches.	Weight Each, Lbs.	Each.
Gevoland .....	6	2 1/4	\$0.27	Gewrote .....	6	8	\$0.75
Gevolutive .....	7	3	.30	Gezaade.....	7	9	.85
Gevoturo .....	8	3 1/2	.35	Gezaba .....	8	10	.90
Gewann .....	9	4	.40				
Gewelk .....	10	5	.50				
Gewreckt .....	11	6	.60				

Dimensions and capacities on above same as common Hollow Ware.

**ROUND BOILERS WITH BRIGHT TIN COVERS.**

TINNED OR ENAMELED. JAPANNED OUTSIDE.



Code, Tinned.	Code, Enameled.	Size.	Top and Bottom Diameters, Inches.	Depth, Inches.	Weight Each, Lbs.	Each, Tinned.	Each, Enameled.
Gezamodi.....	Gezena .....	2 pints	5 1/2	3 1/4	2	\$0.48	\$0.48
Gezamoger.....	Gezoitos .....	3 "	5 7/8	3 3/4	2 1/2	.56	.56
Gezamoire.....	Gezulker.....	2 quarts	6 1/4	4	3	.63	.63
Gezamound.....	Gezumade .....	3 "	7	4 3/8	3 3/4	.73	.73
Gezamper .....	Ghabacan.....	4 "	7 3/8	5 1/4	5	.84	.84
Gezamunes .....	Ghabasit.....	5 "	8	5 3/8	5 1/2	.96	.96
Gezapart .....	Ghabori.....	6 "	8 5/8	6 1/8	6 1/2	1.11	1.11
Gezapasse .....	Ghabrill.....	7 "	8 7/8	6 1/2	8	1.21	1.21
Gezapege .....	Ghabroter .....	8 "	9 1/4	6 3/4	8 3/4	1.31	1.31
Gezaphare.....	Ghafador .....	10 "	9 3/4	7 1/4	10	1.56	1.56
Gezaphon .....	Ghafaldit .....	12 "	10 1/4	7 3/4	12	1.70	1.70
Gezapire.....	Ghafells.....	16 "	11 1/2	8 1/4	17	2.15	2.15
Gezapinet.....	Ghafunda.....	20 "	12 1/4	8 3/8	19	2.50	2.50
Gezaprim .....	Ghalabent.....	24 "	12 1/2	9 3/8	20	3.40	3.40



**OVAL BOILERS WITH BRIGHT TIN COVERS.**

TINNED OR ENAMELED. JAPANNED OUTSIDE.



Code, Tinned.	Code, Enameled.	Size, Gallons.	Top Length, Inches.	Top Width, Inches.	Depth, Inches.	Weight Each, Lbs.	Each, Tinned.	Each, Enameled.
Ghalabird .....	Ghalamid .....	2	10 $\frac{3}{8}$	8 $\frac{1}{4}$	5 $\frac{5}{8}$	8 $\frac{1}{2}$	\$1.65	\$1.65
Ghalabust .....	Ghalanti .....	2 $\frac{1}{2}$	11 $\frac{3}{4}$	9	6 $\frac{1}{4}$	10	1.80	1.80
Ghalacay .....	Ghalario .....	3	12 $\frac{3}{8}$	10	6 $\frac{1}{2}$	13 $\frac{1}{2}$	2.10	2.10
Ghalacrat .....	Ghalban .....	4	13	11	7	15 $\frac{1}{2}$	2.60	2.60
Ghaladame .....	Ghambone .....	5	14 $\frac{1}{2}$	11 $\frac{7}{8}$	7 $\frac{3}{4}$	17	3.00	3.00
Ghaladrad .....	Ghamelot .....	6	15 $\frac{1}{2}$	12 $\frac{1}{2}$	7 $\frac{3}{4}$	23	3.40	3.40
Ghaladupe .....	Ghamepit .....	8	16 $\frac{3}{8}$	12 $\frac{7}{8}$	9 $\frac{1}{2}$	29	5.30	5.30
Ghalafter .....	Ghamfer .....	10	17 $\frac{3}{4}$	14 $\frac{1}{4}$	10 $\frac{1}{8}$	35	6.50	6.50

Weights on this page are for Boilers tinned inside. Enameled inside will average 20 per cent heavier.

**BELLIED SAUCE PANS WITH BRIGHT TIN COVERS.**

TINNED OR ENAMELED. JAPANNED OUTSIDE. SHEET STEEL HANDLES.



Code, Tinned.	Code, Enameled.	Size.	Top and Bot- tom Diameters, Inches.	Depth, Inches.	Weight Each, Lbs.	Each, Tinned.	Each, Enameled.
Ghamfest .....	Ghamouri .....	1 $\frac{1}{2}$ pints	5	3	1 $\frac{3}{4}$	\$0.44	\$0.44
Ghamfides .....	Ghampart .....	2 "	5 $\frac{1}{2}$	3 $\frac{1}{4}$	2	.48	.48
Ghamfizz .....	Ghantass .....	3 "	5 $\frac{5}{8}$	3 $\frac{3}{4}$	2 $\frac{1}{2}$	.56	.56
Ghamfray .....	Ghaped .....	2 quarts	6 $\frac{1}{4}$	4	3	.63	.63
Ghamfuch .....	Ghapeaux .....	3 "	7	4 $\frac{1}{2}$	3 $\frac{3}{4}$	.73	.73
Ghamiart .....	Ghapella .....	4 "	7 $\frac{3}{8}$	5 $\frac{1}{4}$	5	.84	.84
Ghamido .....	Gharacin .....	5 "	8	5 $\frac{5}{8}$	5 $\frac{1}{2}$	.96	.96
Ghamiged .....	Gharadist .....	6 "	8 $\frac{3}{8}$	6 $\frac{1}{8}$	6 $\frac{1}{2}$	1.11	1.11
Ghamiller .....	Ghardena .....	7 "	8 $\frac{7}{8}$	6 $\frac{1}{2}$	8	1.21	1.21
Ghaminate .....	Ghargean .....	8 "	9 $\frac{1}{8}$	6 $\frac{3}{4}$	8 $\frac{3}{4}$	1.31	1.31
Ghaminord .....	Gharidem .....	10 "	9 $\frac{3}{4}$	7 $\frac{1}{4}$	10	1.56	1.56
Ghamipen .....	Gharidote .....	12 "	10 $\frac{1}{8}$	7 $\frac{3}{4}$	12	1.70	1.70

Above Weights are for Sauce Pans tinned inside. Enameled inside will average 20 per cent heavier.

**ENAMELED LIPPED KETTLES.**

WITH ALASKA HANDLES. HEAVY.



Code.	Size. Quarts.	Top Diameter, Inches.	Bottom Diameter, Inches.	Depth, Inches.	Weight Each, Lbs.	Each.
Gharipter.....	<b>2</b>	7 $\frac{3}{4}$	5 $\frac{5}{8}$	3 $\frac{7}{8}$	3	\$0.60
Gharlado .....	<b>3</b>	8 $\frac{3}{4}$	6 $\frac{1}{2}$	4 $\frac{1}{4}$	3 $\frac{1}{2}$	.65
Gharmido .....	<b>4</b>	9 $\frac{1}{8}$	6 $\frac{7}{8}$	4 $\frac{5}{8}$	5	.75
Gharnalit .....	<b>6</b>	10 $\frac{1}{2}$	7 $\frac{3}{4}$	5 $\frac{1}{8}$	6	1.10
Gharnide .....	<b>8</b>	11 $\frac{1}{2}$	8 $\frac{7}{8}$	5 $\frac{3}{8}$	8	1.30
Ghartame .....	<b>10</b>	12 $\frac{1}{4}$	9 $\frac{1}{4}$	6 $\frac{1}{8}$	9	1.40
Ghartular .....	<b>12</b>	13	10	6 $\frac{3}{4}$	10	1.50

Specially made for carrying Quicksilver.

**ENAMELED MASLIN KETTLES.**

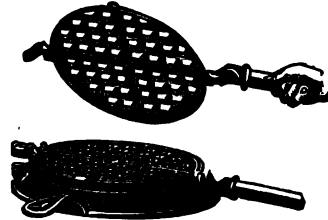
SIDE HANDLES AND STOP BAILS. WHITE ENAMELED INSIDE, JAPANNED OUTSIDE.



Code.	Size, Quarts.	Top Diameter, Inches.	Bottom Diameter, Inches.	Depth, Inches.	Weight Each, Lbs.	Each.
Ghatigno.....	<b>2</b>	7 $\frac{5}{8}$	5 $\frac{1}{4}$	3 $\frac{3}{4}$	3	\$0.60
Ghaudela .....	<b>3</b>	8 $\frac{3}{4}$	6 $\frac{1}{4}$	4 $\frac{1}{8}$	3 $\frac{1}{2}$	.65
Ghaulma.....	<b>4</b>	9 $\frac{1}{8}$	6 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	.75
Ghaulmug .....	<b>5</b>	10	7	4 $\frac{3}{4}$	5 $\frac{1}{2}$	.90
Ghaunter .....	<b>6</b>	10 $\frac{1}{2}$	7 $\frac{5}{8}$	5	6	1.10
Ghazado .....	<b>7</b>	11	8	5 $\frac{1}{4}$	6 $\frac{1}{2}$	1.20
Ghazaramo .....	<b>8</b>	11 $\frac{5}{8}$	8 $\frac{7}{8}$	5 $\frac{1}{2}$	7	1.30
Ghazarian.....	<b>10</b>	12 $\frac{3}{8}$	9 $\frac{1}{8}$	6	10	1.40
Gheland.....	<b>12</b>	12 $\frac{3}{4}$	9 $\frac{1}{8}$	6 $\frac{7}{8}$	11	1.50
Ghelidist.....	<b>14</b>	13 $\frac{3}{8}$	9 $\frac{1}{2}$	7 $\frac{1}{8}$	12 $\frac{1}{2}$	1.75
Ghelifor.....	<b>16</b>	13 $\frac{5}{8}$	9 $\frac{7}{8}$	7 $\frac{1}{2}$	13 $\frac{1}{2}$	2.00
Gheloder.....	<b>20</b>	14 $\frac{3}{4}$	10 $\frac{3}{4}$	8	18	2.50
Ghelonian.....	<b>24</b>	15 $\frac{1}{4}$	11 $\frac{1}{8}$	9 $\frac{1}{8}$	21	3.00

**AMERICAN WAFFLE IRONS.**

JAPANNED RIM. WOOD HANDLES.



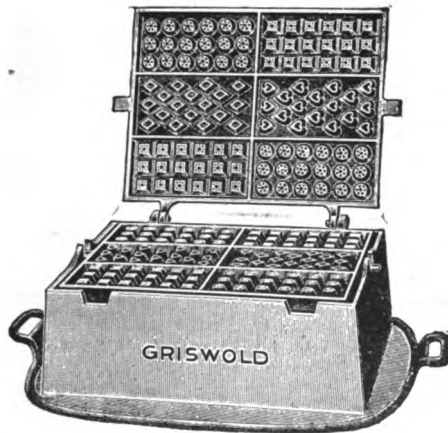
Patented.

Code.	Number.	Diameter of Pans, Inches.	Diameter of Bottom Ring, Inches.	To Fit Stove, Nos.	Weight per Dozen, Lbs.	Per Dozen.
Gheloupe .....	6	5¾	8	6 or 7	57	\$12.00
Ghelurid .....	7	6¾	8¾	7 or 8	69	14.00
Ghemiset .....	8	7¾	9¾	8 or 9	96	16.00
Ggenerot .....	9	8¾	10¾	9 or 10	114	18.00

Can be easily taken apart.

Equipped with long wood enameled handles.

Patent grease cups, which prevents grease dripping on fire.

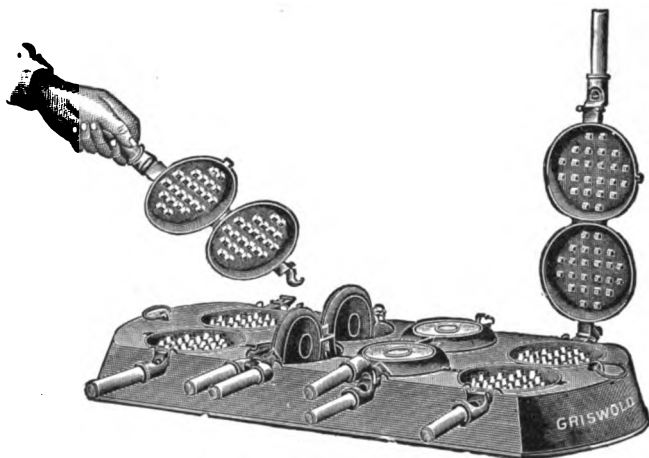
**SQUARE WAFFLE IRONS.**

Code.	Number.	Number of Cakes.	Size of Cake, Inches.	Length of Pan, Inches.	Width of Pan, Inches.	Weight per Dozen, Lbs.	Per Dozen.
Ghenocarp .....	2	3	4½ x 2¾	7½	4¾	105	\$15.00
Gheramid .....	1	3	4¾ x 2¾	8¾	5	159	18.50
Ghercona .....	0	4	4¾ x 2¾	9¾	6	200	24.50
Gherkese .....	00	6	4¾ x 2¾	10	7¾	246	29.00

Extra smooth castings, finely finished, and put up in first-class shape.

**FRENCH WAFFLE IRONS.**

JAPANNED RIM. WOOD HANDLES.



Patented.

Code.	Number.	Set of Pans.	Diameter of Pan, Inches.	Length of Frame, Inches.	Width of Frame, Inches.	Weight per Dozen, Lbs.	Per Dozen.
Ghermise.....	<b>7</b>	<b>2</b>	<b>4</b>	<b>14½</b>	<b>11½</b>	<b>145</b>	<b>\$27.00</b>
Gherubini.....	<b>8</b>	<b>3</b>	<b>4</b>	<b>20</b>	<b>11½</b>	<b>210</b>	<b>33.00</b>
Ghetto.....	<b>9</b>	<b>4</b>	<b>4</b>	<b>22½</b>	<b>11½</b>	<b>264</b>	<b>40.00</b>

Each iron made to fit all sized stoves. No. 9 bakes eight, No. 8 six, and No. 7 four waffles, four inches in diameter, making a nice sized cake to serve on the table.

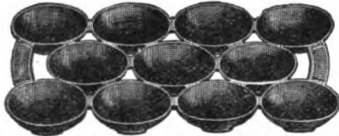
Each set of pans revolves independently of the others. Equipped with the latest improvements same as the American Waffle Iron.

**CAST CEM PANS.**

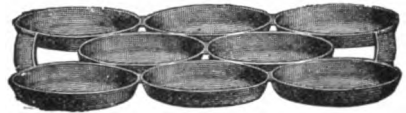
No. 1.



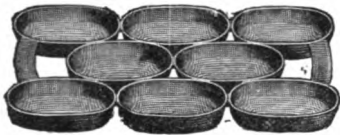
No. 2.



No. 3.



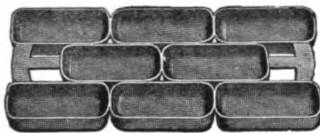
No. 4.



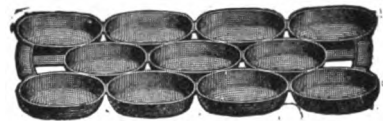
No. 5.



No. 6.



No. 7.



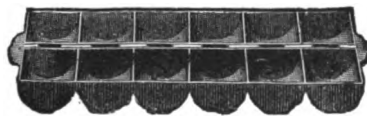
No. 8.



No. 9.



No. 10.



No. 11.

Code.	Number.	Number of Cups.	Length of Cup, Inches.	Width of Cup, Inches.	Depth of Cup, Inches.	Weight per Dozen, Lbs.	Per Dozen.
Ghiadur .....	<b>1</b>	11 Round	2 $\frac{3}{4}$	2 $\frac{3}{4}$	$\frac{3}{4}$	44	\$6.00
Ghiamaro .....	<b>2</b>	11 Oval	3 $\frac{1}{2}$	3 $\frac{1}{8}$	$\frac{3}{4}$	43	6.00
Ghiar .....	<b>3</b>	11 Round	3 $\frac{1}{8}$	3 $\frac{1}{8}$	$\frac{3}{4}$	42	6.00
Ghiassate .....	<b>4</b>	8 Elliptical	4 $\frac{1}{2}$	2 $\frac{3}{8}$	$\frac{3}{4}$	46	6.00
Ghibalete .....	<b>5</b>	8 Oval	3 $\frac{3}{4}$	2 $\frac{1}{2}$	$\frac{3}{4}$	36	6.00
Ghibouk .....	<b>6</b>	12 Oblong	3 $\frac{1}{8}$	2	$\frac{1}{2}$	42	6.00
Ghifang .....	<b>7</b>	10 "	3 $\frac{3}{4}$	2 $\frac{1}{2}$	$\frac{3}{4}$	37	6.00
Ghiffarde .....	<b>8</b>	8 Round	2 $\frac{7}{8}$	2 $\frac{7}{8}$	$\frac{3}{8}$	44	6.00
Ghiffron .....	<b>9</b>	12 "	2 $\frac{1}{8}$	2 $\frac{1}{8}$	1	34	6.00
Ghillone .....	<b>10</b>	11 "	2 $\frac{3}{4}$	2 $\frac{3}{4}$	1 $\frac{3}{8}$	50	7.50
Ghilmade .....	<b>11</b>	12 Oblong	3	1 $\frac{3}{4}$	$\frac{3}{8}$	40	6.00

ELLIS FARMERS' BOILERS.

WITH PIPE COLLAR AT TOP.



FOR WOOD ONLY.

Kettles used in these Boilers are the same as Ellis Caldron Kettles of corresponding sizes.

Code.	Size, Gallons.	Diameter of Pipe to Fit Collar, Inches.	Net Weight, Lbs.	Weight Crated, Lbs.	Shipping Measurement, Cubic Feet.	Each.
Ghimazes .....	15	6	152	189	11½	\$13.50
Ghimerich .....	20	5½	166	204	14	18.50
Ghinoche .....	25	5½	207	247	17	19.50
Ghiocciol .....	30	6	229	271	20	22.50
Ghioleri .....	40	6	317	363	27	30.00
Ghioland .....	50	7	381	436	34½	37.50

Extra charge made for crating.

**SAVERY'S FARMERS' BOILERS.**

IMPROVED PATTERN WITH BACK HORIZONTAL PIPE COLLAR.



For wood or coal. The Kettles used in these Boilers are the same as Savery's Caldron Kettles of corresponding sizes.

Code.	Size, Gallons.	Diameter of Pipe Collar, Inches.	Net Weight, Lbs.	Weight Crated, Lbs.	Shipping Meas., Cubic Feet.	Each.
Ghiosaron .....	<b>30</b>	6	256	303	24½	\$31.50
Ghiragrat .....	<b>45</b>	6½	350	400	31½	46.50
Ghiragrice .....	<b>60</b>	6½	421	474	36½	60.00
Ghiribita .....	<b>75</b>	7	517	572	44	75.00
Ghiripero .....	<b>90</b>	7	659	717	49½	90.00

Extra charge made for crating. Shipped for wood unless specially ordered for coal.

**COAL FIXTURES FOR SAVERY'S FARMERS' BOILERS.**

Code.	Size, Gallons.	Net Weight Castings, Lbs.	Net Weight Brick, Lbs.	Per Set.
Ghiripone .....	<b>30</b>	36	29	\$6.00
Ghirken .....	<b>45</b>	37	41	7.50
Ghirlat .....	<b>60</b>	48	42	9.00
Ghirologue .....	<b>75</b>	48	46	10.50
Ghirplet .....	<b>90</b>	48	46	10.50

**FARMERS' BOILERS.****COVERS FOR SAVERY'S FARMERS' BOILERS.**

Code.	Size, Gallons.	Net Weight, Lbs.	Each.
Gholeme .....	<b>80</b>	42	<b>\$6.00</b>
Ghoradera .....	<b>45</b>	53	7.50
Ghoralta .....	<b>60</b>	68	9.00
Ghoramiga .....	<b>70</b>	73	11.25
Ghordame .....	<b>90</b>	95	13.50

**WHEELS FOR SAVERY'S FARMERS' BOILERS.**

Code .....	Ghordust
Net weight per set to fit any size, lbs.....	42
Per set to fit any size.....	<b>\$6.00</b>



**PROFIT FARM BOILERS.**

For Wood.



Showing Dumping Process.

More than 12,000 Profit Farm Boilers have been sold. They are in use in every State and Territory in the United States, as well as in many foreign countries. Their simplicity and convenience have led to their use wherever known. No apparatus has ever been made that is at once so practical and perfect for purposes about the farm and stable.

It is a simple Furnace with a Caldron which dumps, as shown by the cut. The contents can be emptied in one minute, doing away with the slow and disagreeable task of dipping out. It is thoroughly constructed of the best cast iron. The Kettle is cast very smooth and has an extra thick bottom. All Boilers have a sheet iron cover japanned.

As a manufacturer's Furnace and Caldron it has no equal. It is very economical of fuel. The Kettle, when dumped, exposes all the flues, so that it can be kept free from soot.

Code.	Number.	Capacity of Caldron Gallons.	Diameter of Caldron, Inches.	Depth of Caldron, Inches.	Net Weight, Lbs.	Each.
Ghoul .....	<b>250</b>	25	28	16	275	<b>\$23.00</b>
Ghouliah .....	<b>480</b>	48	35 ½	19	400	<b>34.00</b>
Ghourice .....	<b>530</b>	53	36 ½	21	450	<b>38.00</b>

**SHIPPING MEASUREMENTS.**

No. 250.....	24 ½ cubic feet average
No. 480.....	32 " "
No. 530.....	36 ½ " "

Coal fixtures can be supplied for above Boilers, also specially constructed Boilers for burning coal. Can also furnish Jacket Kettles and Enameled Kettles to fit above Boilers.

**CALDRON KETTLES.**

ELLIS' PATTERN.

Code.	Size, Gallons.	Inside Diameter, Inches.	Depth, Inches.	Net Weight Lbs.	Shipping measurement, cu. ft.	Each.
Ghoutado.....	<b>15</b>	19	12½	29	2¾	\$ 4.50
Ghozare.....	<b>20</b>	19¼	14¾	43	3½	5.25
Ghufard.....	<b>25</b>	22½	16	57	5	6.75
Ghuland.....	<b>30</b>	23	16	65	5½	7.50
Ghumace.....	<b>40</b>	27¼	17	100	7½	10.50
Ghurlish.....	<b>50</b>	29½	18¼	125	9½	13.50

SAVERY'S PATTERN. (CAPACITY GUARANTEED.)

Code.	Size, Gallons.	Inside Diameter, Inches.	Depth, Inches.	Net Weight, Lbs.	Shipping measurement, cu. ft.	Each.
Giacomo.....	<b>30</b>	25¾	17½	82	7	\$ 9.75
Giadasse.....	<b>45</b>	29½	19	128	10	14.25
Giaderem.....	<b>60</b>	31	20¼	162	11	19.50
Giambona.....	<b>75</b>	35¾	22	220	16½	22.50
Giancord.....	<b>90</b>	38	23	275	19	27.00
Giandrat.....	<b>120</b>	42¼	23½	335	24½	41.25

MOTT'S PATTERN. (CAPACITY GUARANTEED.)

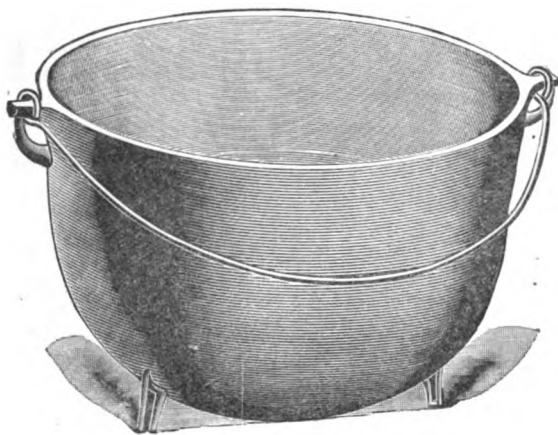
Code.	Size, Gallons.	Inside Diameter, Inches.	Depth, Inches.	Net Weight, Lbs.	Shipping measurement, cu. ft.	Each.
Gianguila.....	<b>120</b>	43	23½	235	25⅔	\$45.00
Giarchite.....	<b>158</b>	48	26	470	34⅔	67.50
Giarchus.....	<b>190</b>	51	27¼	560	40⅔	90.00

CALDRONS WITH LUGS.

Code.	Size, Gallons.	Inside Diameter, Inches.	Depth, Inches.	Net Weight, Lbs.	Shipping measurement, cu. ft.	Each.
Giarkan.....	<b>15</b>	18	13¼	33	2½	\$ 4.50
Giasciate.....	<b>20</b>	20¾	14¾	50	3⅝	5.25
Giasimarl.....	<b>25</b>	23	15½	57	5	6.75
Giasimera.....	<b>30</b>	25¼	17½	73	6	7.50
Giasimole.....	<b>40</b>	28	18¼	88	8	10.50
Giastade.....	<b>50</b>	30	19¼	105	10	13.50
Gibarde.....	<b>65</b>	34½	20¾	137	14	16.50

**SUGAR KETTLES WITH BAILS.**

WELL FINISHED INSIDE. NICELY PAINTED OUTSIDE.



Code.	Size, Gallons.	Diameter, Inches.	Depth, Inches.	Net Weight, Lbs.	Each.
Gibelche.....	8	16	10	14	\$1.88
Gibelot.....	10	17	11½	20	2.25
Gibenter.....	12	19	13	25	2.63
Giberone.....	15	21	13	27	3.00
Giberstik.....	20	22	14	35	4.50
Gibertuck.....	25	24	15	50	6.00
Gibetop.....	80	27	17	60	7.50

**ENGLISH POTS WITH BAILS.**

Code.	Size, Gallons.	Top Diameter, Inches.	Depth, Inches.	Net Weight, Lbs.	Each.
Giblicost.....	2	9½	7½	12	\$1.18
Gibosit.....	3	11¼	8	16	1.50
Gibosump.....	4	11¾	9	20	1.88
Gibractist.....	5	13	9½	25	2.25
Gibrevan.....	6	13½	10½	35	2.63
Gibrocore.....	8	15½	11¼	39	3.75
Gibulout.....	10	16¾	12½	43	4.50
Gibunto.....	12	18	13¼	49	5.25
Gichero.....	15	19	14	63	6.00
Gichlord.....	20	21½	15¾	75	7.50



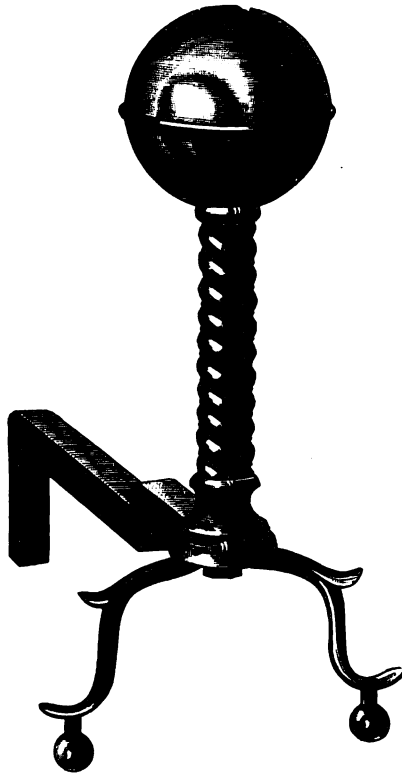
## SECTION 11.

### STOVE AND FIRE PLACE FIXTURES AND KINDRED GOODS.

ANDIRONS, FIRE SETS,

FIRE SCREENS, STOVE BOARDS,

STOVE POLISH, STOVE CASTINGS, ETC.



# HOLBROOK, MERRILL & STETSON,

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES

AND NEW YORK.

## STOVE AND FIRE PLACE FIXTURES AND KINDRED GOODS.

This section contains a varied assortment of goods of the latest design.

The finish and quality are the best.

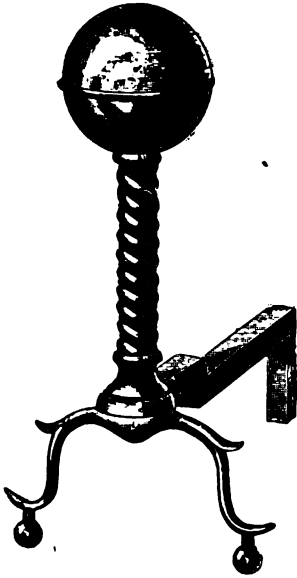
In telegraphing for goods from this section it is only necessary to use the code words over the number or size of the article or articles wanted preceded by words from the code in front of this book.

Example: Criticum aciparado gifidost gilancete.

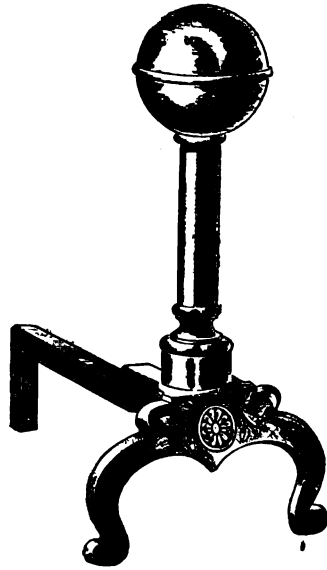
Translation: Ship at once one-half dozen each number sixty and number ninety-five Mosaic Stove Boards.

**BRASS ANDIRONS.**

POLISHED BRASS. 15-INCH ARM.



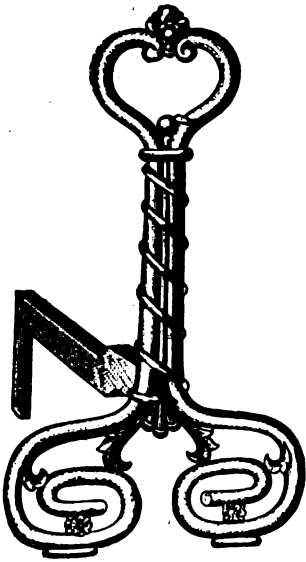
Code.....	Gidanet
Number.....	<b>7549</b>
Height, inches.....	14
Per pair .....	<b>\$8.50</b>
Weight per pair, lbs.....	9¾



Code.....	Giddend
Number.....	<b>7550</b>
Height, inches.....	15
Per pair .....	<b>\$9.00</b>
Weight per pair, lbs.....	10½

**IRON ANDIRONS.**

WROUGHT IRON FINISH. 15-INCH ARM.



Code.....	Giddeller
Number.....	<b>9508</b>
Height, inches.....	17
Per pair .....	<b>\$3.00</b>
Weight per pair, lbs.....	13¾



Code.....	Gidentale
Number.....	<b>9511</b>
Height, inches.....	14
Per pair .....	<b>\$4.00</b>
Weight per pair.....	14

**IRON ANDIRONS.**

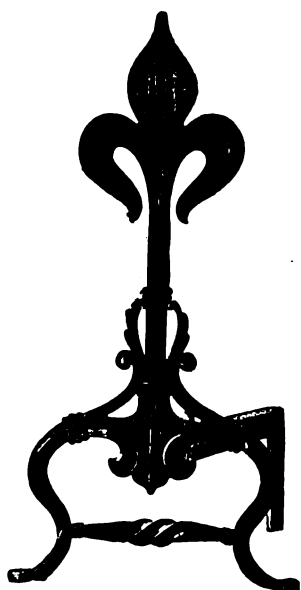
WROUGHT IRON FINISH. 15-INCH ARM.



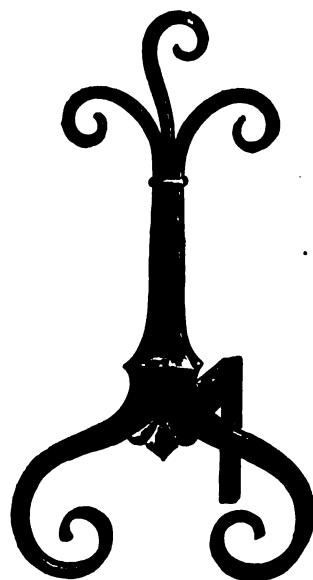
Code.....	Gidonnio
Number.....	<b>9512</b>
Height, inches.....	14
Per pair.....	<b>\$4.00</b>
Weight per pair, lbs.....	16¾



Code.....	Gidstone
Number.....	<b>9580</b>
Height, inches.....	16
Per pair.....	<b>\$5.50</b>
Weight per pair, lbs.....	18½



Code.....	Gieldart
Number.....	<b>9540</b>
Height, inches.....	18
Per pair.....	<b>\$5.50</b>
Weight per pair, lbs.....	15½



Code.....	Gielman
Number.....	<b>9561</b>
Height, inches.....	15½
Per pair.....	<b>\$.....</b>
Weight per pair, lbs.....	12¾

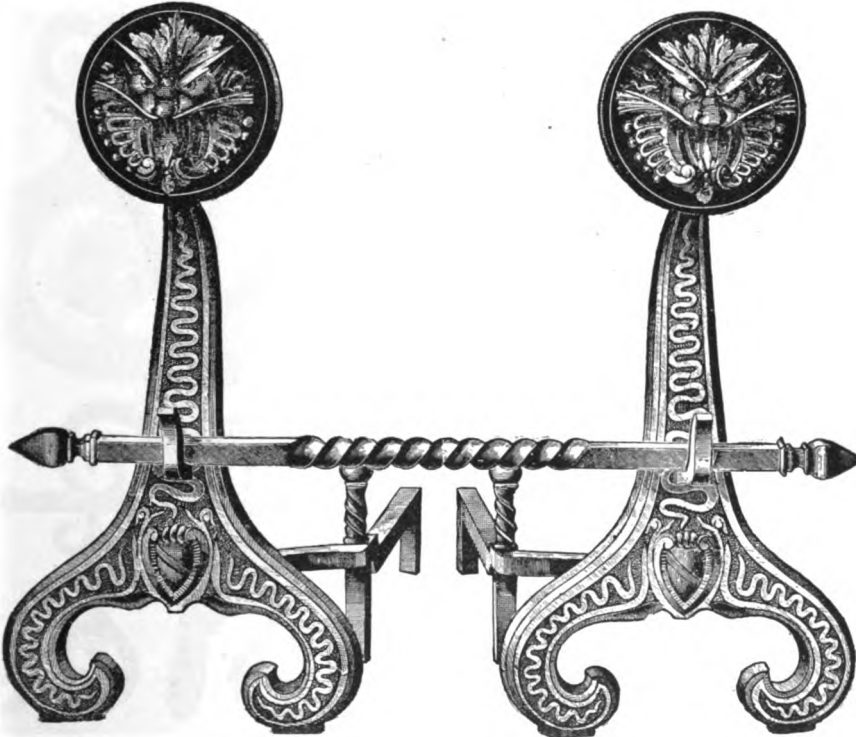


**IRON ANDIRONS.**

WROUGHT IRON FINISH.  
15-INCH ARM. WITH BARS.



Code .....	Gierband
Number.....	<b>9534</b>
Height, inches.....	15½
Length of bar, inches.....	30
Per pair.....	<b>\$6.50</b>
Weight per pair, lbs.....	20¾



Code .....	Giensant
Number.....	<b>9518½</b>
Height, inches.....	24
Length of bar, inches.....	34½
Per pair.....	<b>\$9.00</b>
Weight per pair, lbs .....	27¼

**IRON ANDIRONS.**

WROUGHT IRON FINISH.

14-INCH ARM.



Code .....	Gierbom
Number.....	<b>9569</b>
Height, inches .....	13
Per pair.....	<b>\$2.50</b>
Weight per pair, lbs.....	10¼



Code .....	Gierdrag
Number.....	<b>9570</b>
Height, inches .....	12¾
Per pair.....	<b>\$2.60</b>
Weight per pair, lbs.....	11¼

WITH BAR. 19-INCH ARMS.



Code .....	Giergold
Number.....	<b>9588½</b>
Height, inches.....	26
Length of bar, inches.....	45
Per pair.....	<b>\$24.00</b>
Weight per pair, lbs.....	65¼

**IRON ANDIRONS.**

WROUGHT IRON FINISH.



**No. 9556 ½**

19-Inch Arms. With Chain.

Code .....	Gierheft
Number .....	<b>9556 ½</b>
Height, inches .....	26
Length of chain, inches .....	23
Per pair .....	<b>\$24.00</b>
Weight per pair, lbs. ....	.....

**IRON ANDIRONS.**

WROUGHT IRON FINISH. 14-INCH ARM.



Code .....	Gierhand
Number .....	<b>9574</b>
Height, inches .....	17
Per pair .....	<b>\$4.30</b>
Weight per pair, lbs. ....	.....

**WROUGHT IRON ANDIRONS.**

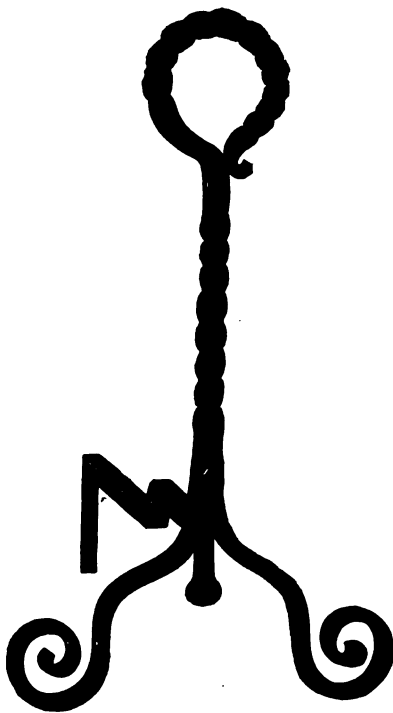
17-INCH ARM.



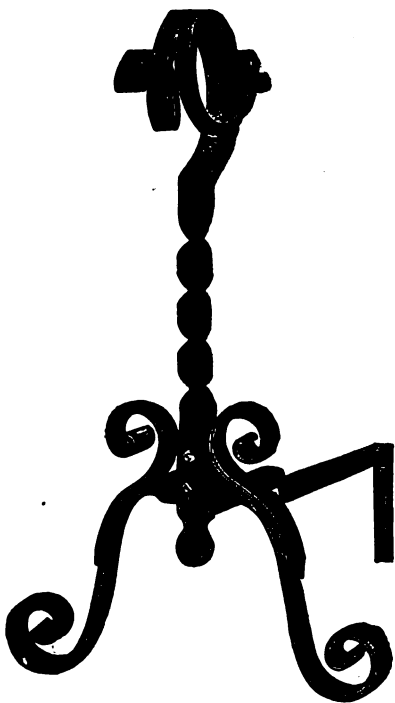
Code .....	Gierkell
Number .....	<b>10149</b>
Height, inches .....	19½
Per pair .....	<b>\$10.00</b>
Weight per pair, lbs. ....	.....

WROUGHT IRON ANDIRONS.

17-INCH ARM.



No. 10152



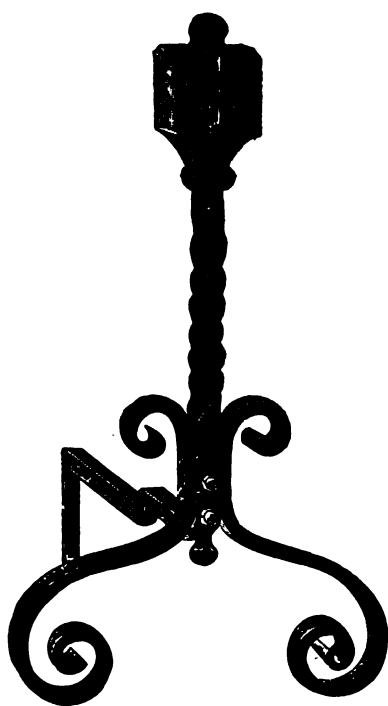
No. 10153

Code .....	Gierlade
Number .....	<b>10152</b>
Height, inches.....	21
Per pair.....	\$9.00
Weight per pair, lbs.....	15¼

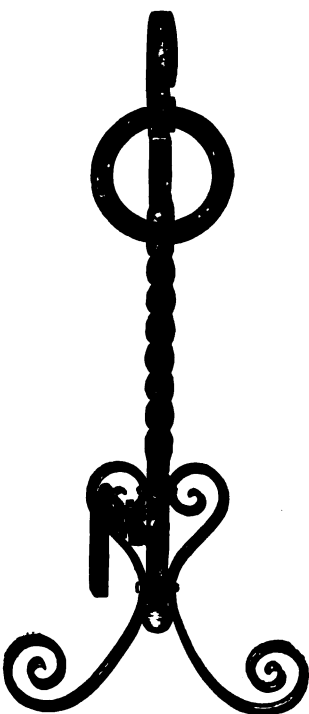
Code.....	Giermuth
Number.....	<b>10153</b>
Height, inches.....	21
Per pair.....	\$10.00
Weight per pair, lbs.....	.....

WROUGHT IRON ANDIRONS.

17-INCH ARM.



No. 10154



No. 10288

Code .....	Gierpape
Number.....	<b>10154</b>
Weight, inches.....	21
Per pair.....	<b>\$11.00</b>
Weight per pair, lbs.....	26¼

Code .....	Gierprob
Number.....	<b>10288</b>
Weight, inches.....	22
Per pair.....	<b>\$10.00</b>
Weight per pair, lbs.....	15



# **RING TOP FIRE DOGS.**

BRONZED.

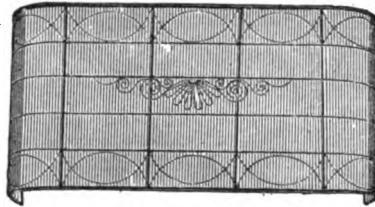
Code.....	Gierrecht	Giersate	Gierstele	Gierstime
Numbers .....	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
Height, inches.....	15¼	14	12¾	11¾
Arm, inches.....	15¼	12¾	11½	10½
Per pair .....	\$1.50	1.25	1.10	.90
Weight per pair, lbs...	13¾	13¼	11¼	9½



# **NEW PATTERN FIRE DOGS.**

HEAVY. JAPANNED.

Code.....	Gierstüb	Giertape	Giertarif
Numbers .....	<b>1</b>	<b>2</b>	<b>3</b>
Height, inches.....	19	17¼	15
Arm, inches.....	18	16	14
Weight per pair, lbs.....	41	34	32
Per pound.....	\$0.12	.12	.12

**NURSERY FENDERS.**

PRICE LIST AND DESCRIPTION OF NURSERY FENDERS. ALL STYLES OF FENDERS HAVE POLISHED BRASS TOPS.

Style No. 1 is covered with a webbing of diamond work and painted green and gold bronze.

Style No. 2 is covered with a laced webbing in which the upright wires are about  $\frac{3}{8}$  inch apart, there being 29 upright wires to the foot. This style is painted green and gold bronze.

Style No. 3 is covered with a laced webbing in which upright wires are about  $\frac{1}{4}$  inch apart, there being 36 upright wires to the foot. This style is painted green and gold bronze.

Style No. 4 is covered with a laced webbing on which the upright wires are about  $\frac{1}{8}$  inch apart, there being 48 upright wires to the foot. This style is finished in gold bronze.

Style No. 7 is made similar to No. 4, but is entirely of brass. The prices given below for style No. 7 fenders are for plain but handsome all brass fenders. This style can be made very artistic, to suit purchasers at an advance on price of plain brass fenders of from \$5.00 to \$50.00.

**PRICE PER LINEAL FOOT.**

Code.	Height, Inches.	Style No. 1.	No. 2.	No. 3.	No. 4.	No. 7.
Giertonne .....	<b>12</b>	<b>\$0.75</b>	<b>\$0.75</b>	<b>\$1.15</b>	<b>\$1.65</b>	<b>\$3.45</b>
Giervate.....	<b>14</b>	.80	.80	1.25	1.75	3.75
Gierwage.....	<b>16</b>	.85	.85	1.35	1.85	4.00
Gierwant.....	<b>18</b>	.90	.90	1.50	2.00	4.50
Gierworth.....	<b>20</b>	1.00	1.00	1.60	2.20	4.80
Gierzieg.....	<b>22</b>	1.10	1.10	1.75	2.45	5.25
Gierzuip.....	<b>24</b>	1.15	1.15	1.75	2.55	5.30
Giesacht.....	<b>30</b>	1.50	1.50	2.25	3.30	6.50
Gieskort.....	<b>36</b>	1.75	1.75	2.60	3.75	7.00

In ordering, give style, number, height, depth and width of span.

**EXTRAS.**

Nickel-plating top-bar.....	per running foot.....	30 cents extra
"Lion's Claw" cast brass feet.....	each.....	70 "
Acorns for ornamenting top.....	each.....	50 "

Fancy webbing of various designs, extra according to style.  
Odd and irregular shapes, extra according to style.



**SPARK GUARDS.****PRICE LIST AND DESCRIPTION OF SPARK GUARDS.**

Spark guards are made of diamond work or laced work on a round wire frame.

Fire guards are made of lace work on a  $\frac{3}{8}$ -inch half oval iron frame.

Either the spark guards or fire guards may be made of tinned wire or iron wire gold bronzed.

Style No. 11 spark guard is covered with diamond work webbing made of tinned wire.

Style No. 12 spark guard is covered with diamond work webbing made of iron wire gold bronzed.

Style No. 13 spark guard is made with laced webbing, having 29 wires to the foot, of tinned wire.

Style No. 14 spark guard is made with laced webbing, having 29 wires to the foot, of iron wire, gold bronzed.

Style No. 15 fire guard is made with laced webbing, having 36 wires to the foot, iron, gold bronzed.

Style No. 16 fire guard is made with laced webbing, having 48 wires to the foot, of iron, gold bronzed.

Style No. 17 fire guard is made with laced webbing, having 48 wires to the foot, all brass and lacquered.

Code.	Span, Inches.	Style No. 11, Each.	Nos. 12 and 13, Each.	No. 14, Each.	No. 15, Each.	No. 16, Each.	No. 17, Each.
Gieslin <sup>a</sup> .....	18	\$1.65	\$2.10	\$3.00	\$4.00	\$ 6.50	\$12.00
Giesmerf.....	20	2.10	2.60	3.50	5.00	8.00	14.00
Giespite.....	22	2.50	3.00	4.00	6.00	9.00	16.00
Giestemel.....	24	2.90	3.50	4.50	7.00	10.00	18.00

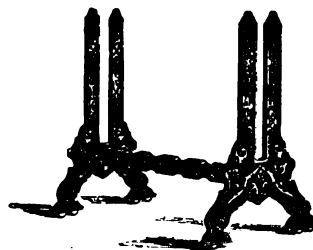
In ordering, give style, number, width of span, height, depth at bottom; and send paper pattern showing shape of top.

Larger sizes, fancy designs, or irregular shapes, extra according to size and finish.

**BLOWER STANDS.**

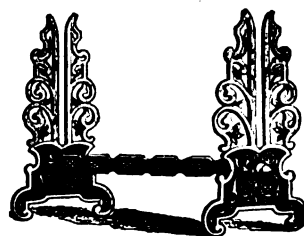
CAST IRON. ENAMELED AND VERDE ANTIQUE.

Code .....	Giestkase
Number .....	11
Height, inches.....	10
Width, inches.....	11½
Per dozen.....	\$13.00
Weight per dozen packed, lbs.....	60
Shipping measurement per dozen, cubic feet.....	¾
One-half dozen in a case.	

**BLOWER STANDS.**

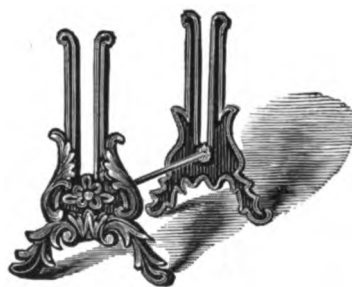
CAST IRON. JAPANNED AND ENAMELED.

Code.....	Giestram
Number .....	15
Height, inches .....	10
Width, inches .....	11½
Per dozen.....	\$10.50
Weight per dozen packed, lbs.....	51½
Shipping measurement per dozen, cubic feet.....	¾
One-half dozen in a case.	

**BLOWER STANDS.**

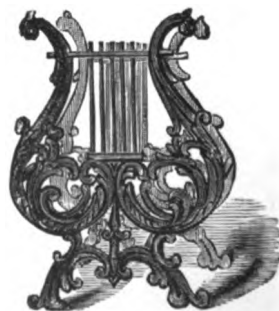
CAST IRON. ENAMELED AND BRONZED.

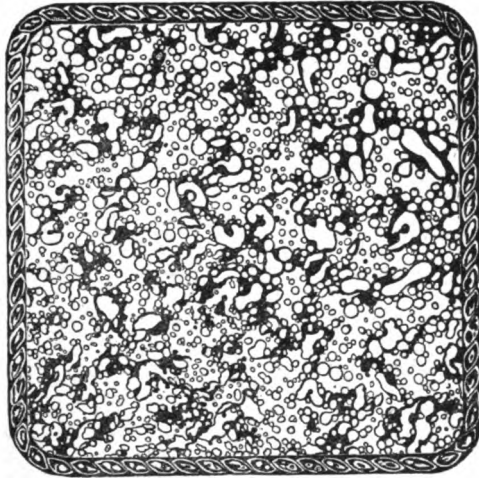
Code .....	Gietebaw
Number.....	7
Height, inches.....	11
Width, inches.....	9½
Per dozen.....	\$12.00
Weight per dozen packed, lbs.....	57
Shipping measurement per dozen, cubic feet.....	¾
One-half dozen in a case.	

**BLOWER STANDS.**

CAST IRON. ENAMELED AND GOLD BRONZED.

Code.....	Gifario
Number.....	9
Height, inches.....	13
Width, inches.....	11
Per dozen.....	\$16.00
Weight per dozen packed, lbs.....	131
Shipping measurement per dozen, cubic feet.....	.....
One-half dozen in a case.	



**"MOSAIC" STOVE BOARDS.**

Cut Shows Style Paper Lined Board.

Heavy plates. Japanned black and gray and gold. Finished at 240 degrees temperature. Heating and washing will not injure them. Will not fade. No nails used.

**SQUARE. PAPER LINED.**

Code.	Number.	Size, Inches.	Weight per Dozen, Lbs.	Shipping Measurement per Dozen, Cubic Feet.	Per Dozen.
Giferrica .....	<b>55</b>	24x24	48	$\frac{5}{8}$	<b>\$6.00</b>
Gifidost .....	<b>60</b>	26x26	54	1	6.72
Gifolcam .....	<b>65</b>	28x28	60	1	7.56
Gifurcase .....	<b>70</b>	30x30	69	$1\frac{1}{4}$	8.64
Gigliare .....	<b>75</b>	32x32	76	$1\frac{1}{2}$	9.84
Gilabade.. .....	<b>80</b>	35x35	99	$1\frac{3}{4}$	11.40

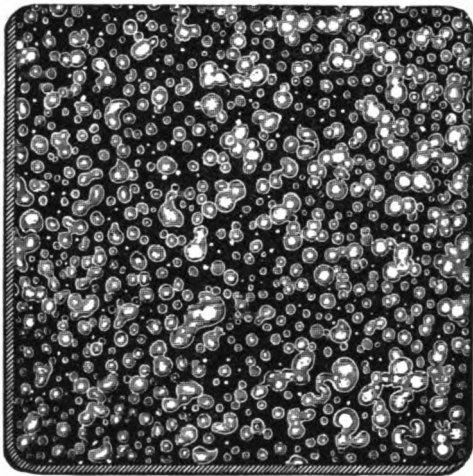
One dozen in a case.

**OBLONG. PAPER LINED.**

Code.	Number.	Size, Inches.	Weight per Dozen, Lbs.	Shipping Measurement per Dozen, Cubic Feet.	Per Dozen.
Gilabier .....	<b>88</b>	18x22	40	$\frac{1}{2}$	<b>\$5.50</b>
Gilabrell .....	<b>85</b>	24x36	69	$1\frac{1}{4}$	8.40
Gilamina .....	<b>90</b>	26x30	60	1	8.40
Gilancete .....	<b>95</b>	28x34	75	$1\frac{1}{3}$	9.60
Gilancibo .....	<b>100</b>	30x36	83	$1\frac{1}{2}$	11.40
Gilandro .....	<b>105</b>	32x40	99	$1\frac{3}{4}$	13.00

One dozen in a case

“MOSAIC” STOVE BOARDS.



Cut Shows Style Wood Lined Board.

Heavy plates. Japanned black and gray and gold. Finished at 240 degrees temperature. Heating and washing will not injure them. Will not fade. No nails used.

SQUARE. WOOD LINED. (FULL MEASUREMENT.)

Code.	Number.	Size, Inches.	Weight per Dozen, Lbs.	Shipping Measure- ment per Dozen, Cubic Feet.	Per Dozen.
Gilbodem.....	5	26x26	116	3½	\$10.20
Gildbart.....	10	28x28	128	4	11.40
Gilderhaft.....	15	30x30	146	4½	12.60
Gilderwit.....	20	33x33	176	5½	14.40
Gilderzag.....	25	36x36	214	6½	16.80

One-half dozen in a case.

OBLONG. WOOD LINED. (FULL MEASUREMENT.)

Code.	Number.	Size, Inches.	Weight per Dozen, Lbs.	Shipping Measure- ment per Dozen, Cubic Feet.	Per Dozen.
Gildkart.....	30	24x36	146	4½	\$11.40
Gildlost.....	35	26x32	138	4½	11.40
Gildner.....	40	28x34	156	5	12.60
Gildnist.....	45	30x38	180	6	15.00
Gildpunk.....	50	32x42	218	7	18.00

One-half dozen in a case.

**"ALUMINUM" STOVE BOARDS.**

ROUND PAPER LINED.

Code.	Size, Inches.	Weight per Dozen, Lbs.	Shipping Measurement per Dozen, Cubic Feet.	Per Dozen.
Gildsale.....	<b>24</b>	38	$\frac{3}{4}$	\$ 6.00
Gildsaubé.....	<b>26</b>	44	$\frac{5}{8}$	6.72
Gildschon.....	<b>28</b>	52	1 $\frac{1}{8}$	7.56
Gildstuck.....	<b>30</b>	58	1	8.64
Gildwart.....	<b>32</b>	68	1 $\frac{1}{4}$	9.84
Gilechan.....	<b>34</b>	80	1 $\frac{1}{2}$	11.40
Gileduck.....	<b>36</b>	90	1 $\frac{1}{2}$	13.20

One dozen in a case.

SQUARE PAPER LINED.

Code.	Size, Inches.	Weight per Dozen, Lbs.	Shipping Measurement per Dozen, Cubic Feet.	Per Dozen.
Gilhardo.....	<b>24x24</b>	38	$\frac{3}{4}$	\$ 6.00
Gilheter.....	<b>26x26</b>	44	$\frac{5}{8}$	6.72
Gilibrat.....	<b>28x28</b>	52	1 $\frac{1}{8}$	7.56
Gilicamo.....	<b>30x30</b>	58	1	8.64
Gilicava.....	<b>32x32</b>	68	1 $\frac{1}{4}$	9.84
Giliferos.....	<b>34x34</b>	80	1 $\frac{1}{2}$	11.40
Giliorsar.....	<b>36x36</b>	80	1 $\frac{1}{2}$	13.20

One dozen in a case.

OBLONG PAPER LINED.

Code.	Size, Inches.	Weight per Dozen, Lbs.	Shipping Measurement per Dozen, Cubic Feet.	Per Dozen.
Gilirubin.....	<b>24x36</b>	60	1	\$ 8.40
Gilitero.....	<b>26x30</b>	55	1	8.40
Gillanche.....	<b>28x32</b>	67	1	9.60
Gillard.....	<b>30x36</b>	75	1 $\frac{1}{2}$	11.40
Gillharz.....	<b>32x42</b>	88	1 $\frac{3}{4}$	13.80

One dozen in a case.

**"ALUMINUM" STOVE BOARDS.****SQUARE WOOD LINED.**

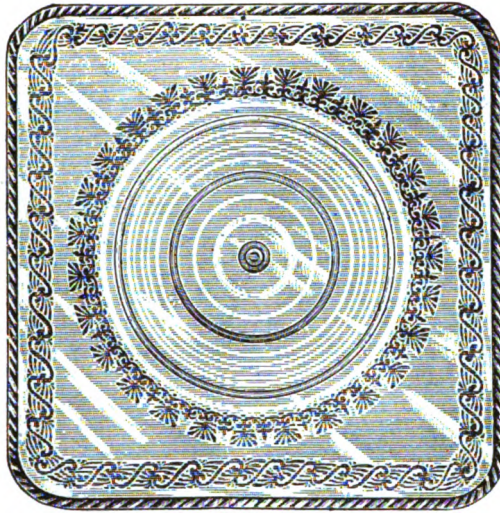
Code.	Size, Inches.	Weight Per Dozen, Lbs.	Shipping Measurement Per Dozen, Cubic Feet.	Per Dozen.
Gillonet .....	<b>26x26</b>	114	3 $\frac{2}{3}$	\$10.20
Gilorote .....	<b>28x28</b>	122	4	11.40
Gilsensa .....	<b>30x30</b>	138	4 $\frac{2}{3}$	12.60
Giluster .....	<b>33x33</b>	160	5 $\frac{2}{3}$	14.40
Gimacult .....	<b>36x36</b>	204	6 $\frac{2}{3}$	16.80

One-half dozen in a case.

**OBLONG WOOD LINED.**

Code.	Size, Inches.	Weight Per Dozen, Lbs.	Shipping Measurement Per Dozen, Cubic Feet.	Per Dozen.
Gimaribas .....	<b>24x36</b>	126	4 $\frac{1}{2}$	\$11.40
Gimarito .....	<b>26x32</b>	124	4 $\frac{1}{3}$	11.40
Gimester .....	<b>28x34</b>	144	5	12.60
Gimetalic .....	<b>30x38</b>	166	6	15.00
Gimetron .....	<b>32x42</b>	202	7	18.00

One-half dozen in a case.

**"ZINC" STOVE BOARDS.****ROUND PAPER LINED.**

Code.	Size, Inches.	Weight Per Doz., Lbs.	Shipping Measurement Per Doz., Cubic Feet.	Per Dozen.
Gindeban .....	<b>24</b>	38	$\frac{3}{4}$	<b>\$7.20</b>
Gindekal. ....	<b>26</b>	44	$\frac{5}{6}$	7.80
Ginderem .....	<b>28</b>	52	1	8.64
Gindewurt. ....	<b>30</b>	58	1	9.60

One dozen in a case.

**SQUARE PAPER LINED.**

Code.	Size, Inches.	Weight Per Doz., Lbs.	Shipping Measurement Per Doz., Cubic Feet.	Per Dozen.
Gindgare.....	<b>24x24</b>	38	$\frac{3}{4}$	<b>\$7.80</b>
Gindolas.....	<b>26x26</b>	44	$\frac{5}{6}$	8.64
Gindsala.....	<b>28x28</b>	52	1	9.60
Ginnsole.....	<b>30x30</b>	58	1	10.80
Ginmina.....	<b>32x32</b>	68	$1\frac{1}{4}$	12.00
Ginsenrin.....	<b>34x34</b>	80	$1\frac{1}{2}$	13.20
Gintango.....	<b>36x36</b>	90	$1\frac{1}{2}$	14.40

One dozen in a case.

**OBLONG. PAPER LINED.**

Code.	Size, Inches.	Weight Per Doz., Lbs.	Shipping Measurement Per Doz., Cubic Feet.	Per Dozen.
Giodoto.....	<b>22x34</b>	55	1	<b>\$ 9.60</b>
Giografia.....	<b>24x36</b>	60	1	10.20
Giograph.....	<b>26x30</b>	55	1	9.60
Giologica.....	<b>28x32</b>	67	1	10.80
Giometer.....	<b>30x36</b>	75	$1\frac{1}{3}$	12.60
Giondamo.....	<b>32x42</b>	88	$1\frac{2}{3}$	15.00

One dozen in a case.

**"CRYSTAL" STOVE BOARDS.**

SQUARE. PAPER LINED.

Code.	Size, Inches.	Weight per Doz., Lbs.	Shipping Measurement per Doz., Cubic Feet.	Per Dozen.
Giondassee.....	<b>18x18</b>	20	$\frac{1}{2}$	\$ 5.25
Giondavat.....	<b>24x24</b>	38	$\frac{3}{4}$	6.00
Giondera.....	<b>26x26</b>	44	$\frac{5}{8}$	6.72
Giondette.....	<b>28x28</b>	52	1	7.56
Gionomica.....	<b>30x30</b>	58	1	8.64
Gioscopic.....	<b>32x32</b>	68	$1\frac{1}{4}$	9.84
Giotechne.....	<b>34x34</b>	80	$1\frac{1}{2}$	11.40
Gioticore.....	<b>36x36</b>	90	$1\frac{1}{2}$	13.20

One dozen in a case.

OBLONG. PAPER LINED.

Code.	Size, Inches.	Weight per Doz., Lbs.	Shipping Measurement per Doz., Cubic Feet.	Per Dozen.
Gipalarum.....	<b>14x28</b>	20	$\frac{1}{2}$	\$ 5.76
Gipalmade.....	<b>14x34</b>	24	$\frac{1}{2}$	6.24
Gipalmist.....	<b>24x36</b>	60	1	8.40
Gipartend.....	<b>26x30</b>	55	1	8.40
Gipartic.....	<b>28x32</b>	67	1	9.60
Gipatent.....	<b>30x36</b>	75	$1\frac{1}{4}$	11.40
Gipedall.....	<b>32x42</b>	88	$1\frac{3}{4}$	13.80

One dozen in a case.



**CRYSTAL STOVE BOARDS.**

SQUARE. WOOD LINED.

Code.	Size, Inches.	Weight per Doz., Lbs.	Shipping Measurement per Doz., Cubic Feet.	Per Dozen.
Gipennate.....	<b>26x26</b>	114	3 $\frac{2}{3}$	<b>\$10.20</b>
Gipennist.....	<b>28x28</b>	122	4	11.40
Gipolair.....	<b>30x30</b>	138	4 $\frac{2}{3}$	12.60
Giradiate.....	<b>33x33</b>	160	5 $\frac{2}{3}$	14.40
Girambro.....	<b>36x36</b>	204	6 $\frac{2}{3}$	16.80

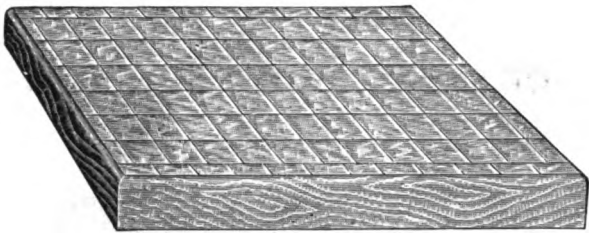
One-half dozen in a case.

OBLONG. WOOD LINED.

Code.	Size, Inches.	Weight per Doz., Lbs.	Shipping Measurement per Doz., Cubic Feet.	Per Dozen.
Girkenmas.....	<b>24x36</b>	126	4 $\frac{1}{2}$	<b>\$11.40</b>
Girkenrest.....	<b>26x32</b>	124	4 $\frac{1}{3}$	11.40
Girkwass.....	<b>28x34</b>	144	5	12.60
Girkworte.....	<b>30x38</b>	166	6	15.00
Girlabar.....	<b>32x42</b>	202	7	18.00

One-half dozen in a case.

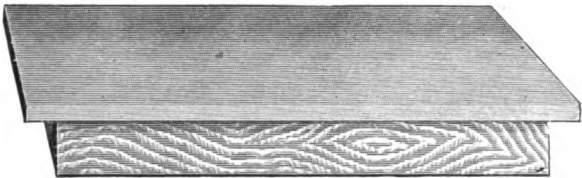
TILE STOVE PLATFORMS.



Code.	Size.	Length, Inches.	Width, Inches.	Height, Inches.	Each.
Girloomost.....	Small	36	24	4	\$10.00
Girlandot .....	Medium	36	27	4	11.00
Girlarone.....	Large	36	30	4	12.00

Average weight each, seventy-five pounds.

ZINC COVERED STOVE PLATFORMS.



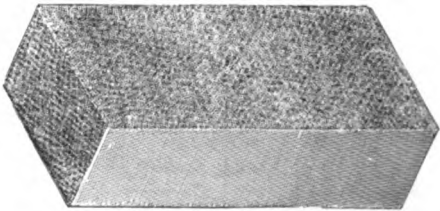
Code.	Number.	Length, Inches.	Width, Inches.	Height, Inches.	Each.
Girlocho .....	6	37	30	4	\$3.50
Girlongay.....	7	39	33	4	3.50
Girnbam .....	8	42	36	4	4.00

Average weight each, twenty-five pounds.

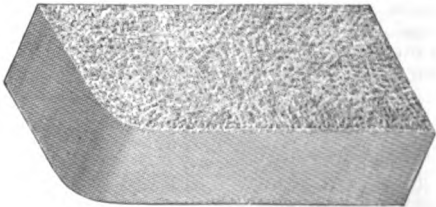
STOVE RESTS OR BLOCKS.

REDWOOD. SMOOTHLY TURNED.

Code.....	Girnkop
Top diameter, inches.....	8
Height, inches.....	4
Per set of four .....	\$0.50
Weight per set, lbs.....	2¼



Cut Shows Stretcher.



Cut Shows 2 inch Round Corner.

PRESSED BRICKS.

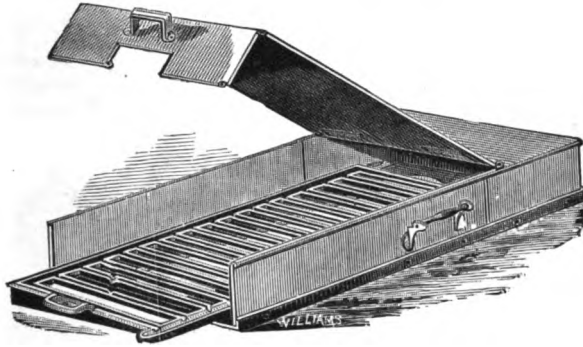
GLAZED. WHITE. SIZE 8¼ X 4 X 2¾ INCHES.

FOR USE UNDER STOVES.

Code.....	Girnmust	Girnstile	Girolase	Girolemo
Style.....	Stretcher	Headers	2-in. Round Corner	1-in. Round Corner
Glazed surfaces..	1 Face	1 End	1 End and 1 Face	1 End and 1 Face
Each.....	\$0.28	.27	.36	.36
Wt. each, lbs...	5	5	5	5

**MILLER'S ODORLESS BROILERS.**

FITS NO. 7 OR 8 STOVE OR RANGE.



This is as perfect a Broiler for family use as has ever been invented ; occupies two openings on top of range or stove ; has a sliding gridiron with a hinged top cover, which can be raised or lowered without removing it from the range. The draft carries the fumes down into the stove, leaving no disagreeable odors in the kitchen.

Code .....	Girotin
Length, inches.....	21
Width, inches .....	11
Weight each, lbs.....	15½
Each.....	\$4.00

**TRIUMPH BROILER AND FRY PAN.**

COMBINED.



A model for neatness and convenience. Easily handled and readily cleaned. No annoying or vexatious complications. This cut shows the Broiler open, and when in this position the pan cannot be removed, being held rigidly in its place. The cut also shows the arched and grooved ribs, through which the juices of the meat flow into the outer channel. Outside of this channel is a narrow groove, into which the pan closes tightly. Confined under the closed cover all the benefit of the fire is received, and very rapid work can be done, which is one of the great essentials for good broiled meat.

No spattering of fat over stove and floor. When the meat is cooked, Broiler can be lifted from the stove, reversed and all the contents left in the pan. Removing the casting, the pan is left, and same is adapted to all the uses of a fry pan or spider.

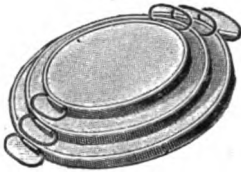
Fry pan of ground steel. Either article can be used separately.

Code .....	Girretta	Girron	Girschgel
Numbers .....	7	8	9
Diameter, inches .....	10½	10½	11½
Each.....	\$1.00	1.00	1.25
Weight each, lbs.....	3¾	4	4½

# **ROUND SOAP STONE CRIDDLES.**

SECURELY BOUND. WITH TWO SIDE HANDLES.

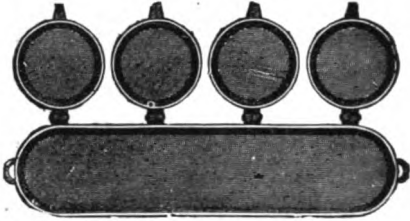
Code.....	Girschrem	Girschwag	Girschzit	Girthdome
Inches.....	10	12	14	16
Each.....	\$1.00	1.25	1.50	1.75
Weight each, lbs.....	6	8	10	13



# **SCHOFIELD CRIDDLES.**

BEST GRAY IRON. ROUND PANS.  
HINGED SEPARATELY. BAKES 8 CAKES AT ONCE.

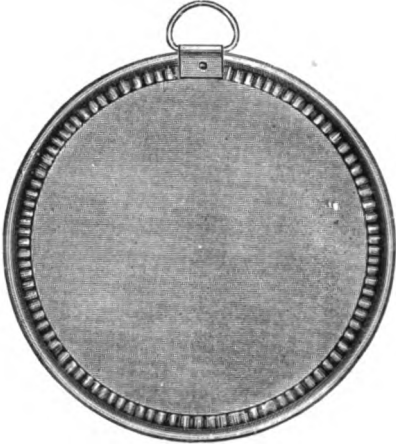
Code.....	Girthrot
Length, inches.....	18
Diameter, small pans, inches.....	4
Per dozen .....	\$15.00
Weight per doz. packed, lbs.....	80
One dozen in a case.	



# **ASBESTOS STOVE MATS.**

SECURELY BOUND. WITH RINGS.



Code.....	Girthwork
Diameter, inches.....	8 3/4
Per dozen .....	\$0.70
Weight per doz., lbs.....	2 3/4
One dozen in a box.	



# **“CROWN” ASBESTOS BAKING SHEETS.**

AN INDISPENSABLE HOUSEHOLD ARTICLE.  
ONE DOZEN SHEETS IN A BOOK.

Code.....	Gisalroot
Size, inches.....	9x14
Per dozen .....	\$2.40
Weight per doz., lbs.....	8 1/4
One dozen books in a box.	

## CROWN



### ASBESTOS BAKING SHEETS.

BEST QUALITY.  
ADAPTED TO ALL KINDS OF OVENS.

*For use in Baking Cake, Bread, Pastry,  
Roasts of all kinds, Fish, etc., etc.*

#### DIRECTIONS.

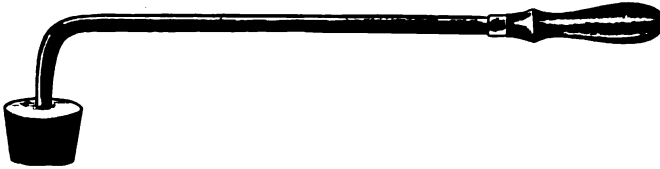
When your meat is sufficiently browned on top, place the Asbestos sheet loosely over it, after which it may be allowed to remain in the oven until thoroughly done without the least danger of scorching.  
In case the oven heats too rapidly on the bottom, place one of the Asbestos Sheets or an Asbestos Stove Mat under the pan.  
The above directions apply also to bread, cakes, pastry, or any article that may be cooked in an oven.

THIS BOOK CONTAINS ONE DOZEN SHEETS, 9 IN. X 14 IN.

**TIMBALE IRONS.**

WOOD HANDLES. NICKEL-PLATED HEAD AND SHANK.



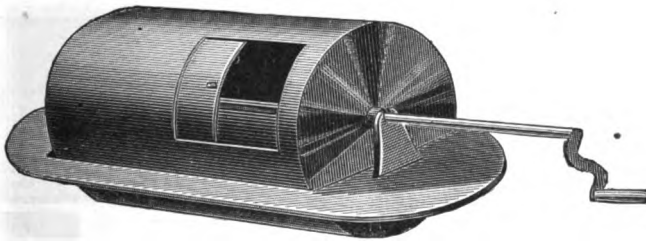
Cut shows style Round Fluted.

Code.....	Gisaltide	Gisamaft	Gisamfuch	Gisamkatz
Style.....	Plain	Fluted	Fluted	Fluted
	Round	Round	Diamond	Oval
Length, inches.....	19	21	21	21
Size head, inches.....	2	1 3/4	2x2	1 3/4 x 2 1/2
Per dozen.....	\$15.00	15.00	15.00	15.00
Weight each, lbs.....	1 3/4	1 3/8	1 3/8	1 3/4

One-sixth dozen in a box.

**MILLER'S COFFEE ROASTERS.**

HEAVY STEEL CYLINDERS. CAST IRON FRAMES.

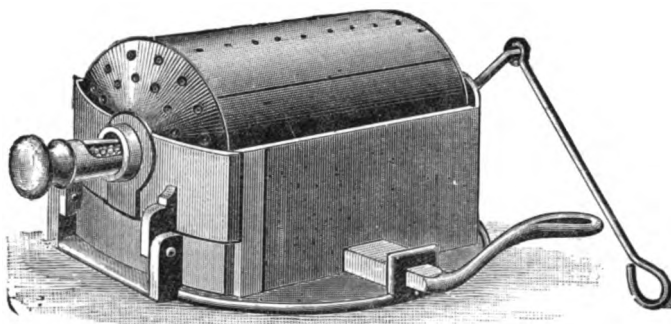


This Roaster is made with an oval cast frame that fits on two openings of the stove in which the cylinder revolves. The cylinder or body is made of wrought steel, with an opening with a sliding door to admit the coffee. It also has projections or ribs in the inside, running in a parallel line with the length of the cylinder, which prevents the coffee from bunching or sliding, but scatters it and browns every grain alike.

Code .....	Gisamrate	Gisamrost	Gisantine
Numbers .....	7	8	9
Fits stove numbers.....	7	8	9
Capacity, lbs.....	2	3	5
Length of cylinder, inches.....	10 1/2	11	13 1/4
Diameter of cylinder, inches.....	7	8	9
Each.....	\$4.00	4.50	5.00
Weight each, lbs.....	13	14	16

**BURPEE'S IMPERIAL COFFEE ROASTERS.**

FIT ANY STOVE. STEEL CYLINDERS. CAST IRON FRAMES.



The secret of good coffee is to have it fresh roasted, for, as Baron Liebig says, "Coffee once roasted loses every hour somewhat of the aroma, owing to the influence of the oxygen of the air." Roasted coffee, as sold at most of the stores, in addition to this loss, is subjected to the still greater loss of aroma in being wet while hot. Coffee loses in roasting about fifteen per cent. Wetting it reduces this loss four or five per cent, but its strength and fragrance are gone.

**Burpee's Imperial Family Coffee Roaster** roasts one pound in ten minutes, and always insures good coffee, rich in aroma and 25 per cent stronger than the average roasted coffee sold. The above cut represents the Roaster for use on an ordinary stove.

"With a good fire, my Imperial Family Roaster, got from you, will roast one and a half pounds in twelve minutes, with all the plates on."—J. F. Le Bosse, 158 East 97th Street, N. Y.

Code .....	Gisarmat
Length of cylinder, inches.....	11½
Diameter of cylinder, inches.....	6½
Diameter of base, inches.....	11
Capacity, lbs.....	¼ to 3
Each.....	\$3.00
Weight each, lbs.....	13

**EL DORADO CHARCOAL FURNACES.**

EXTRA SMOOTH LIGHT CASTINGS. BODY AND BOTTOM CAST SEPARATELY.

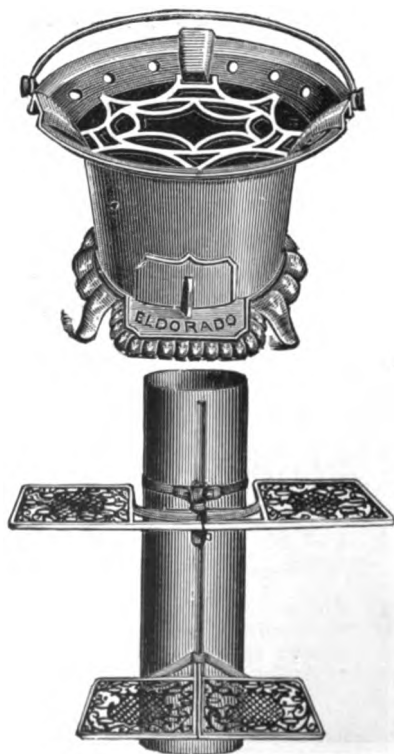
Code.....	Gisectri	Gisellite	Gisetack	Gislufe
Numbers.....	0	1	2	3
Top diameter, inches...	15	13	11½	10
Height, inches.....	10½	9½	9	8¼
Each .....	\$3.00	2.50	2.00	1.50
Weight each, lbs.....	16¼	14½	12	8

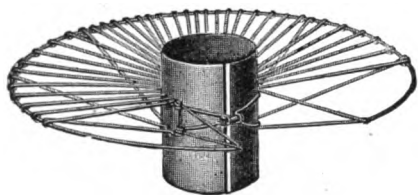
Can be knocked down and nested.

**STOVE PIPE SHELVES.**

CAST IRON. LEAVES SWING FREELY AND ARE ADJUSTED ON ROD WITH THUMB SCREW.

Code.....	Gislung
Number.....	4
Number of leaves .....	4
Size of leaves, inches.....	8½ x 7
Length of rod, inches .....	21½
Per dozen sets.....	\$20.00
Weight per dozen sets, lbs.....	108





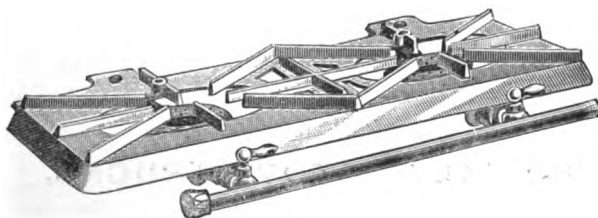
### IMPROVED WIRE STOVE PIPE SHELVES.

STEEL WIRE TINNED. TOWEL RACK AND DISH WARMER  
FOR STOVE PIPES AND POSTS.

Code.....	Gismark
Number.....	2
Diameter, inches.....	21½
Distance from pipe to outside, inches.....	8
Per dozen .....	\$12.00
Weight per doz., lbs.....	15

### MENLO GAS SHELVES.

TWO POWERFUL BURNERS. POLISHED NICKEL-PLATED EDGES. CAN BE BOLTED  
TO TOP AT EITHER END OF A STOVE OR RANGE.



Code.....	Gismuth
Length, inches.....	19½
Width, inches.....	13
Each .....	\$4.00
Weight each, lbs.....	15

### STOVE SCRAPERS.

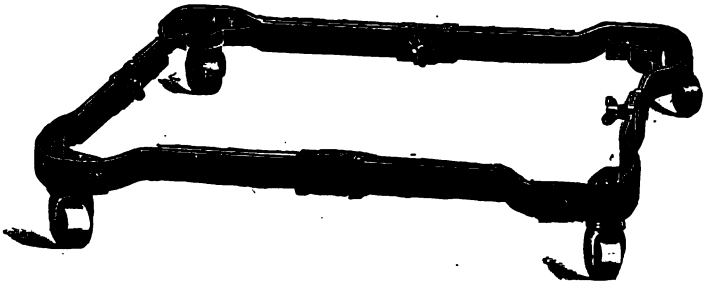
BLACK STEEL. RIVETED HEADS.

Code.....	Gisnoneri
Length, inches.....	24 to 30
Per dozen.....	\$1.50
Weight per doz., lbs.....	7



**“STANDARD” ADJUSTABLE STOVE TRUCKS.**

FINISHED IN BLACK ENAMEL. STEEL FRAME. MALLEABLE IRON TRIMMINGS. CASTERS BALL BEARING.  
ADJUSTS FROM 18 X 24 INCHES TO 24 X 36 INCHES.



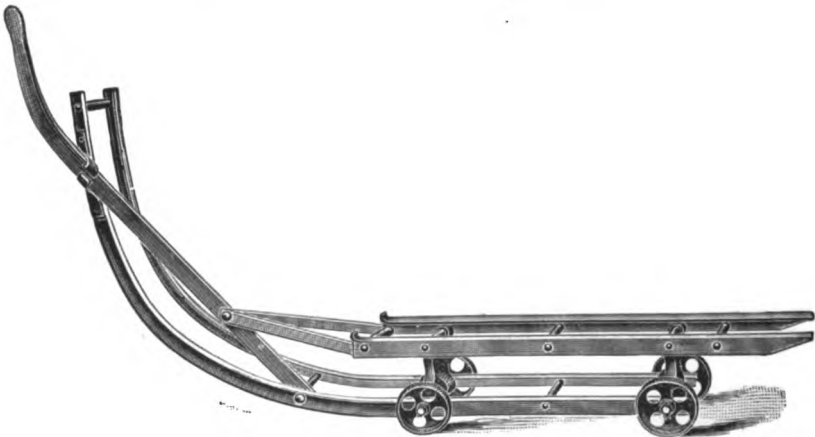
Cut Shows Single Casters.

Code.....	Gisontem	Gissemar
Numbers.....	1	2
Style.....	Single Casters	Double Casters
Per dozen.....	\$24.00	27.00
Weight per doz., lbs.....	216	216

One-half dozen in a crate.

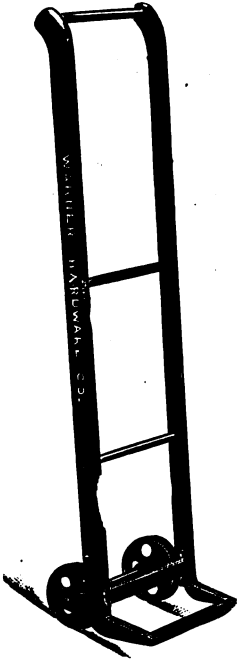
**“BALTZLY” STOVE TRUCKS.**

MADE ENTIRELY OF IRON AND STEEL.



Code .....	Gistonise
Per dozen.....	\$ 60.00
Weight per doz., lbs.....	540



**PERFECT STEEL TRUCKS.**

MADE ENTIRELY OF METAL.

Code.....	Gistourn
Per dozen .....	\$24.00
Weight each, lbs.....	

**STOVE RODS.** $\frac{1}{4}$ -INCH DIAMETER. COUNTERSUNK HEADS.

Code.....	Gisulfate	Gisulter	Gisurcada	Gitacora	Gitadures	Gitempor	Githrone	Gitinical	Gittaben	Gitumat
Length, incnes.....	5	6	7	8	9	10	11	12	13	14
Code.....	Gitumera	Gitures	Gladarm	Gladerda	Gladerend	Gladerloo	Gladgron	Gladkope	Gladmost	Gladribb
Length, inches.....	16	18	19	20	21	22	23	24	25	26
Per pound.....	\$0.30									

Extra long threads to allow of cutting off to make any of the above one-half inch shorter.  
One hundred feet of one-fourth inch rod weighs 620 pounds.

**"CHAMPION" STOVE CLAY.**

REFRACTORY AS A CRUCIBLE.

Code.....	Gladvorm
Per pound.....	\$0.08

Put up in packages to suit.

**ASBESTOS CEMENT.**

SELF-SEALING CANS. AIR TIGHT.

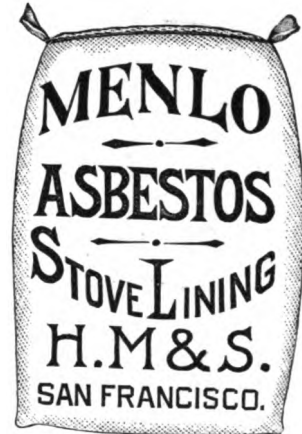
For setting and repairing new or broken joints in furnaces  
heaters, stoves, etc.

Code.....	Gladwest	Glaferde	Glaftest
Cans, lbs.....	5	10	25
Per pound.....	\$0.12	.12	.12

## MENLO ASBESTOS STOVE LINING.

MIX WITH WATER.

Code.....	Glairean	Glakide
Weight of sack, lbs.....	<b>25</b>	<b>100</b>
Per pound.....	\$0.03	.02½



## H. M. & S. STOVE PUTTY.

QUALITY GUARANTEED.

Code.....	Glamant
Per pound.....	<b>\$0.20</b>

Put up in quantities to suit.



## ALASKA STOVE KNOBS.

NICKEL-PLATED.

Code.....	Glamerez	Glameron	Glancard
Numbers.....	<b>107</b>	<b>108</b>	<b>109</b>
Length, inches.....	1¾	2	2½
Width, inches.....	1½	2	2¾
Per dozen.....	<b>\$1.50</b>	2.00	2.50
Weight per doz., lbs.....	1½	2	3



## STOVE KNOBS.

NICKEL-PLATED.

WITH STEEL CAPS AND CAST IRON BASE.

Code.....	Glancasele	Glanchime	Glanchote	Glandeemo
Numbers.....	<b>300</b>	<b>301</b>	<b>302</b>	<b>303</b>
Length, inches.....	1¾	1½	1¾	¾
Width, inches.....	2	1½	1½	1¾
Per dozen.....	<b>\$2.00</b>	1.50	1.20	1.00
Wt. per doz., lbs.....	1½	1¾	1	¾





## ALASKA OVEN DOOR HANDLES.

NICKEL-PLATED. EXTRA STRONG.

Code.....	Glandefor
Number.....	<b>188</b>
Length, inches.....	2
Width, inches.....	2
Per dozen .....	<b>\$3.00</b>
Weight per doz., lbs.....	4



## HINGE PINS.

NICKEL-PLATED.

Code.....	Glandegrot
Number.....	<b>56</b>
Length, inches.....	3
Per dozen .....	<b>\$1.00</b>
Weight per doz., lbs.....	.....



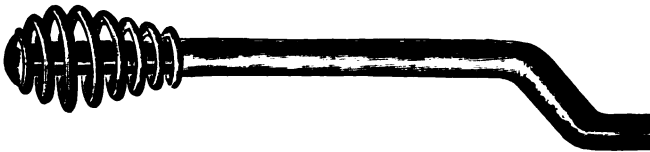
## HINGE PINS.

NICKEL-PLATED.

Code.....	Glandeker
Number.....	<b>66</b>
Length, inches.....	3
Per dozen .....	<b>\$0.50</b>
Weight per doz., lbs.....	.....

## TOWEL RODS.

NICKEL-PLATED. ALASKA TIPS.

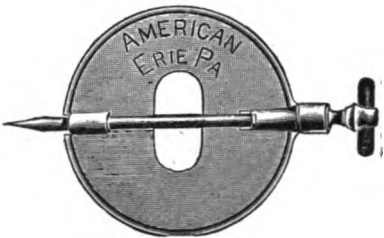


Code.....	Glandely
Length, inches.....	<b>20</b>
Diameter of rod, inch.....	$\frac{1}{4}$
Per dozen.....	<b>\$2.00</b>
Weight per doz., lbs.....	.....

“AMERICAN” DAMPERS.

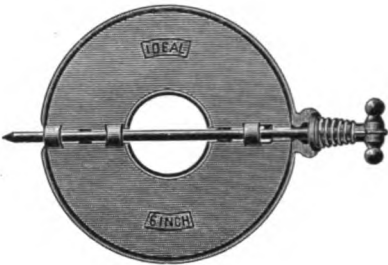
ENAMELED WOOD HANDLES. MALLEABLE CLIPS.

Code .....	Glandend	Glandeza	Glandice	Glandiron	Glandish	Glanditor
Inches.....	4	4½	5	5½	6	7
Per dozen	\$1.25	1.30	1.35	1.45	1.50	2.00
Wt. doz., lbs..	4½	5¼	7	8¾	9	14½
Approximate weight per barrel, lbs.....						400
Shipping measurement per barrel, cubic feet.....						10
Forty-eight dozen in a barrel.						



“IDEAL” DAMPERS.

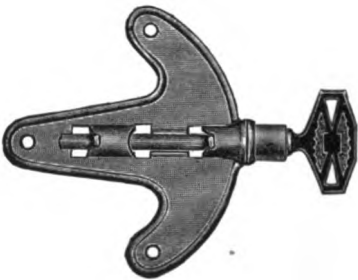
Code .....	Glandiva	Glandont	Glandrate
Inches.....	5	5½	6
Per dozen.....	\$1.35	1.45	1.50
Weight per dozen, lbs.....	.....	.....	.....



“AMERICAN” DAMPER CLIPS.

ENAMELED WOOD HANDLES. HAVE EXTRA LARGE PLATE.

Code.....	Glandulo
Number .....	2
Per dozen.....	\$2.00
Weight per dozen, lbs.....	4½



“UNCLE SAM” DAMPERS.

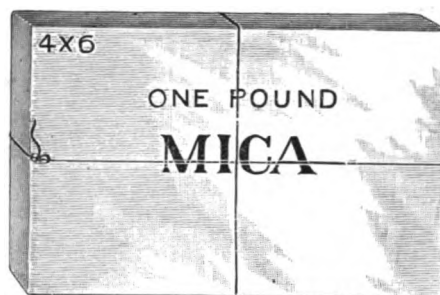
SHEET STEEL WITH REMOVABLE STEEL RODS. FOR FURNACE PIPES, ETC.

Code.....	Glanzet	Glapsida
Inches.....	7	10
Per dozen.....	\$4.00	8.00
Weight per dozen, lbs.....	.....	7

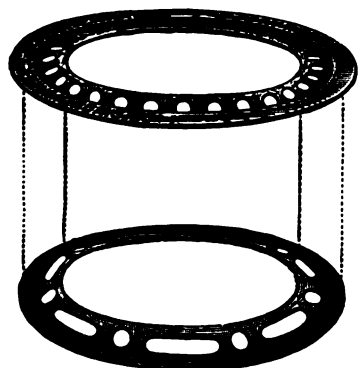


**MICA.**

SELECTED NORTH CAROLINA MICA.



Code.	Size, Inches.	Per Pound.	Code.	Size, Inches.	Per Poun.l.
Glarell.....	2 x 4	\$1.45	Glasshet .....	4 x 7	\$9.50
Glarney.....	2 x 5	2.00	Glastema.....	4 x 8	9.75
Glascob.....	2 x 6	3.25	Glastode .....	4½ x 5	8.25
Glasebal.....	2½ x 5	3.75	Glatender .....	4½ x 6	9.25
Glaselau.....	2½ x 6	5.25	Glattario .....	4½ x 7	9.75
Glasenbum .....	8 x 8	2.75	Glattgabe .....	4½ x 8	10.00
Glasenmost.....	8 x 4	5.00	Glattgeld .....	5 x 6	9.50
Glasenzin.....	8 x 5	7.00	Glattkohl .....	5 x 7	10.00
Glashord .....	8 x 6	8.00	Glattkreb .....	5 x 8	10.25
Glasign .....	8 x 7	8.50	Glattlach.....	6 x 6	10.00
Glasename .....	8½ x 5	7.50	Glattlost .....	6 x 7	10.50
Glasonase .....	8½ x 6	8.75	Glattnage .....	6 x 8	10.75
Glasonist .....	8½ x 7	9.00	Glattripp.....	7 x 8	11.00
Glassblar .....	4 x 4	7.00	Glattseit .....	8 x 8	12.00
Glassfuch .....	4 x 5	7.75	Glattspal .....	8 x 10	13.00
Glassgalb .....	4 x 6	9.00			

**BUTTLE'S SAFE HEADS.**

CAST IRON.

Code.....	Glattwesp	Glaubar
Inches.....	5	6
Outside diameter, inches.....	8½	9½
Per dozen sets.....	\$3.50	3.75
Weight per dozen sets, lbs.....	8¾	9½

**FLUE DRUMS.**

PLANISHED IRON WITH CAST HEADS.

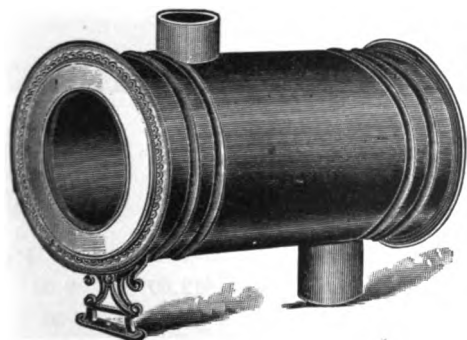
Code.....	Glaufist	Glauflore
Diameter, inches.....	12	16
Each .....	\$.....	.....
Weight each, lbs.....	20	35

Used in connection with Box Stoves for heating large rooms.

**DRUM HEADS.**

CAST IRON. FOR FLUE DRUMS.

Code.....	Glauden	Glaufeur
Inches.....	12	16
Per pair .....	\$2.50	4.00
Weight per pair, lbs.....	11	18



STOVE URNS.

NICKEL-PLATED.

Code.....	Glauhute
Number.....	888
Height, inches.....	6
Per dozen .....	\$3.00
Weight per doz., lbs.....	5

One in a box.



STOVE URNS.

NICKEL-PLATED.

Code.....	Glaukop
Number.....	508
Height, inches.....	7
Per dozen.....	\$4.20
Weight per doz., lbs.....	5 3/4

One in a box.



DIAMOND EXTENSION FIRE BACKS.

THE ONLY BACK WITHOUT BOLTS, WEDGES OR KEYS.

Patented, July 11th, 1893.

Canadian Patent, June 14th, 1894.



CLOSED



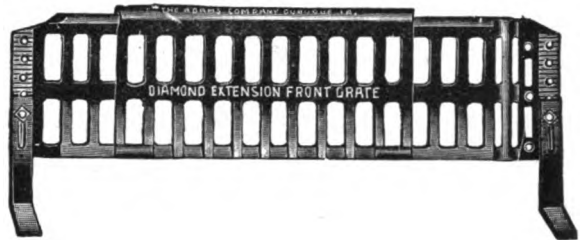
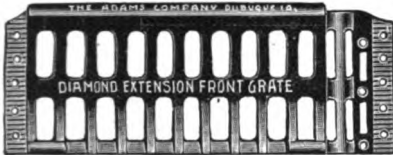
EXTENDED.

Code .....	Glaukrat	Glaumesc
Style.....	A	B
Adjusts in width, inches.....	4 1/2 to 7	3 1/2 to 5
Adjusts in length, inches.....	15 to 20	11 to 15 1/4
Per dozen.....	\$12.00	9.00
Weight per dozen packed, lbs.....	110	50

One-half dozen in a case.

**DIAMOND EXTENSION FRONT GRATES.**

ENDS SLIDE IN DOVETAIL SIMILAR TO DIAMOND FIRE BACK. LEGS ADJUSTABLE TO ANY HEIGHT.

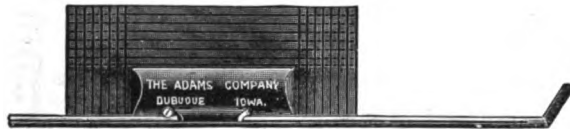


Code .....	Glaumutz
Adjusts in width, inches.....	<b>4 to 6</b>
Adjusts in length, inches.....	<b>11 to 21</b>
Per dozen.....	<b>\$9.00</b>
Weight per doz. packed, lbs.....	<b>60</b>

One-half dozen in a case.

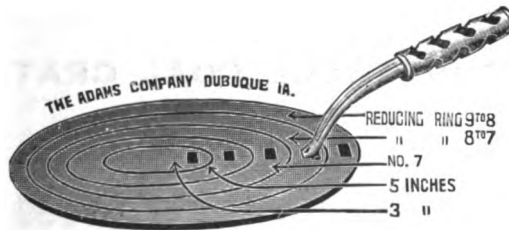
**DIAMOND ADJUSTABLE COOK STOVE DAMPERS.**

Will fit any Stove having a Turn-over Damper. Can be put in without taking Stove apart. The Handle can be put in from either end. Damper can be set at any point on Handle. One Damper fits all lengths and sizes. Handle can be made any length.



Code .....	Glauspect
Size of blade, inches.....	<b>9x8 1/2</b>
Will reduce to, inches.....	<b>5x2</b>
Per dozen.....	<b>\$3.00</b>
Weight per doz. packed, lbs.....	<b>22</b>

One dozen in a case.

**THE ADAMS SECTIONAL STOVE COVER.**

Code .....	Glautaut:
Number.....	<b>9</b>
Per dozen.....	<b>\$9.00</b>
Weight per doz. packed, lbs.....	<b>56</b>

One-half dozen in a case.

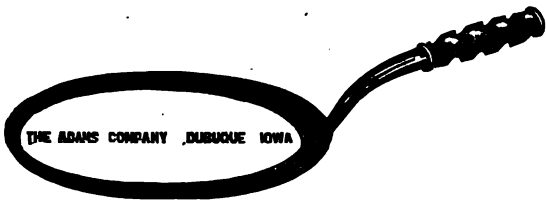
Each Case Contains Three Covers, Each as Follows:

9 1/2 x 3 3/8  
9 3/8 x 1/4

8 1/2 x 3 3/8  
8 3/8 x 1/4

7 1/2 x 3 3/8  
7 3/8 x 1/4

REDUCING RINGS.



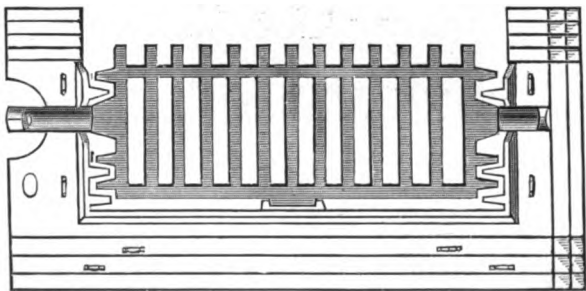
Code .....	Glauwoge	Glechin
Size, inches .....	9x8	8x7
Per dozen.....	\$2.25	2.00
Weight per doz., lbs.....	18	15

BREAKABLE DAMPER RODS.



Code .....	Glechlamb
Length over all, inches.....	10
Per dozen.....	\$2.00
Weight per doz., lbs.....	5½

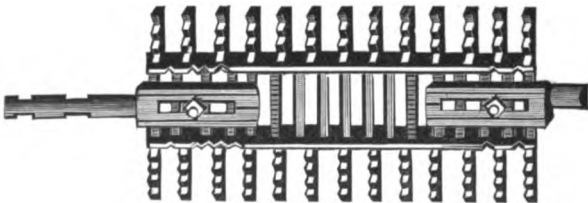
BREAKABLE CRATE REST AND CRATE.



Code .....	Glechnoid	Glechstur
Numbers .....	1	2
Inches .....	8x15	8½x16½
Per pound.....	\$0.14	.14
Weight each, lbs.....	6	8

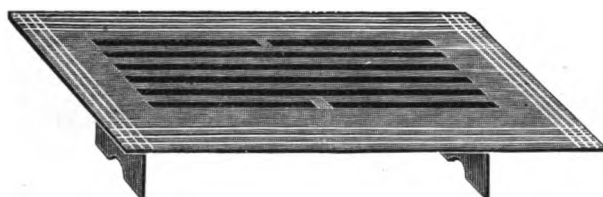
ADJUSTABLE COAL CRATE.

CAN BE FITTED TO ANY COAL RANGE.

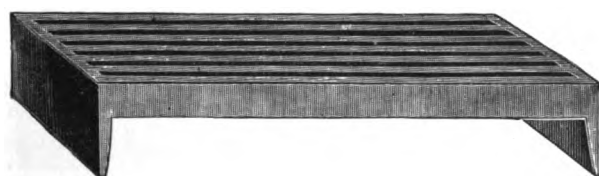


Code .....	Glechware
Number.....	11
Inches .....	6x13½
Per pound.....	\$0.14
Weight each, lbs.....	5½



**BREAKABLE FALSE CRATES.**CAN BE FITTED TO ANY STOVE OR RANGE HAVING FIRE BOX BETWEEN THE SIZES  $16\frac{1}{2} \times 6\frac{1}{2}$  TO  $18\frac{1}{2} \times 9$ .

Code .....	Glecourte
Inches .....	<b>9x18½</b>
Per pound.....	<b>\$0.14</b>
Weight each, lbs.....	<b>16</b>

**FALSE CRATES.**

Code.	Size, Inches.	Weight Each, Lbs.	Code.	Size, Inches.	Weight Each, Lbs.
Gleekend.....	<b>9¾ x 4½</b>	4½	Gleimuld .....	<b>18 x 5</b>	10¾
Glefaric.....	<b>10 x 5½</b>	6¾	Gleiplatt .....	<b>18½ x 6¼</b>	8¾
Gleibam.....	<b>10¾ x 4¾</b>	6	Gleiprob.....	<b>18½ x 4¼</b>	6½
Gleibone.....	<b>11¾ x 5¾</b>	8	Gleirade .....	<b>18½ x 5¾</b>	12¾
Gleichalk .....	<b>12 x 4</b>	5½	Gleiroll .....	<b>18¾ x 5</b>	8
Gleidrat.....	<b>12 x 4½</b>	6	Gleisalb .....	<b>14 x 5½</b>	11
Gleiforme.....	<b>12 x 5¾</b>	5½	Gleizang.....	<b>14¼ x 6¼</b>	9½
Gleikehl .....	<b>12½ x 5</b>	9	Gleizuck.....	<b>15¼ x 5</b>	8¾
Gleikesse.....	<b>12½ x 6¼</b>	8¾	Glemire.....	<b>15¼ x 5¼</b>	9¾
Gleiklot.....	<b>12¾ x 5½</b>	9	Glemish.....	<b>15½ x 6</b>	11¾

Per pound..... **\$0.14**

We carry besides above special false grates for our lines of ranges. When ordering for these please give full name and number of range.

# CRATE BARS.



Single Grate Bars.



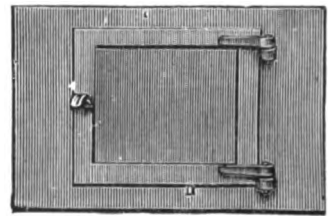
Double Grate Bars.

SINGLE.			DOUBLE.		
Code.	Length, Inches.	Weight each, Lbs.	Code.	Length, Inches.	Weight each, Lbs.
Glendate.....	12	3	Glocarlo.....	12	5
Glendhel.....	13	3¼	Glocasse.....	13	5¼
Glendkrat.....	14	3¼	Glocatura.....	14	5½
Glendkuge.....	15	3½	Glockbil.....	15	6
Glendstar.....	16	4½	Glockther.....	16	6½
Glendzug.....	17	5½	Gloncke.....	17	7½
Glessante.....	18	5½	Glondaze.....	18	8
Glicklost.....	19	6	Glondoy.....	19	9½
Glindabe.....	20	6	Glosslege.....	20	10
Glindass.....	21	6¼	Glosure.....	21	10
Glindfeld.....	22	6½	Glotcher.....	22	11
Glindmast.....	23	6½	Glottiron.....	23	11
Glinkarde.....	24	8¼	Glozendi.....	24	11¼
Glocage.....	25	8½			

Per pound..... \$0.14

# ASH PIT DOORS AND FRAMES.

Code.....	Glubben	Glufspell	Glumenage	Glumenbet
Inches.....	8x9	8x12	10x14	10x16
Each.....	\$1.70	2.30	3.50	4.00
Weight each, lbs...	15	18	24	24

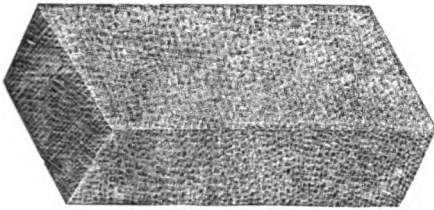
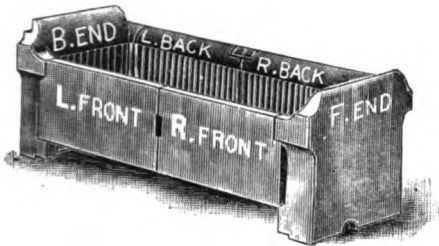


# CIRCULAR FIRE BRICKS.

4 INCHES HIGH.

Code.....	Glumenob	Gluschet	Glutador	Glutamper
Size, inches.....	8	9	10	12
Number of bricks to the circle.....	4½	5	5	6
Per single brick.....	\$0.12			
Code.....	Glutbech	Gluthust	Glutkaste	
Size, inches.....	14	16	18	
Number of bricks to the circle..	7	8	9	
Per single brick.....	\$0.12			





## STOVE BRICKS.

SPECIALLY MADE.

A full line for all of our ranges, both plain and water-back.

## FIRE BRICKS.

SPECIALLY MADE FOR LINING FIRE BOXES OF LARGE RANGES, ETC.

Code.....	Glutlach
Inches.....	4½x9x2½
Each .....	\$0.10

## RISING SUN STOVE POLISH.



Code.....	Glutlage	Glutrink	Glutspite
Size.....	Small	Large	Bulk
Per gross.....	\$3.50	6.25	Per lb. \$0.12½
Weight per gross packed, lbs.....	37	76	34
Shipping measurement per gross, cubic feet.....	1½	2	1¼

Small, one gross in a case. Large, one-half gross in a case. In Bulk, 25 pounds in a case.



## "SUN" PASTE STOVE POLISH.

IN AIR-TIGHT TIN BOXES.

Code.....	Glutstim	Glutwell
Numbers.....	5	10
Diameter box, inches.....	3¾	4
Height, inches.....	1½	1¼
Per gross.....	\$5.00	8.00
Weight per gross packed, lbs.....	64	100
Shipping measurement 1 gross, cubic feet	1½	2¾

One-quarter gross in a case.

## BLACK JACK PASTE STOVE POLISH.

FOR DOMESTIC USE. CAN BE USED WITH WATER.

Code.....	Glutzer
Size of can, lb.....	$\frac{3}{4}$
Per dozen .....	\$1.60
Weight 3 dozen packed, lbs.....	$34\frac{1}{2}$
Shipping measurement 3 dozen, cubic feet.....	$\frac{3}{4}$

Three dozen in a case.



## BLACK EAGLE PASTE STOVE POLISH.

FOR GENERAL USE. EAST INDIA LEAD AND PRINTERS' BLACK. WATER-PROOF.

Code.....	Goadile
Size of can, lb.....	1
Per dozen.....	\$3.00
Weight per case, lbs.....	$42\frac{1}{2}$
Shipping measurement per case, cubic feet.....	1

Three dozen in a case.



## BLACK EAGLE PASTE STOVE POLISH.

FOR DEALERS' USE, SAMPLE STOVES, ETC.

Code.....	Goalaim
Size can, lbs .....	5
Per pound.....	\$0.18
Weight per case, lbs.....	67
Shipping measurement per case, cubic feet.....	$1\frac{1}{4}$

One dozen in a case.



## BLACK EAGLE LIQUID STOVE POLISH.

FOR DOMESTIC USE.

Contains all the properties of the Black Eagle Paste. and being diluted is ready for instant use.

Code.....	Goanerge
Size of can, pint.....	$\frac{1}{2}$
Per dozen.....	\$2.00
Weight per case, lbs.....	35
Shipping measurement per case, cubic feet.....	$\frac{1}{2}$

Three dozen in a case.





## BLACK SATIN STOVE POLISH.

LIQUID. FOR DOMESTIC USE.

To be used with Benzine or Coal Oil.

Code.....	Goantibe
Pint.....	$\frac{1}{2}$
Per dozen.....	\$4.00
Weight per case, lbs.....	$12\frac{1}{2}$
Shipping measurement per case, cubic feet.....	$\frac{5}{12}$
One dozen in a case.	



## POLISHING MITTS WITH DAUBER.

LAMB'S WOOL.

For Stoves, Bicycles and Tan Shoes.

Code.....	Goardabe
Number.....	1
Per dozen.....	\$2.70
Weight per dozen, lbs.....	$1\frac{1}{2}$
One dozen in a box.	

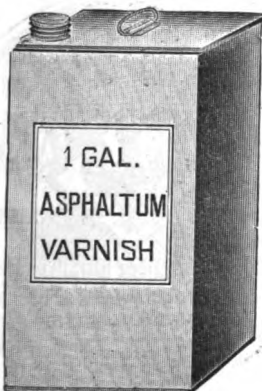


## PEERLESS IRON ENAMEL.

JET BLACK. WITH BRISTLE BRUSH.

For general use on Registers, Grates, Fenders, Stovepipes, Coal Hods, Carriage Tops, etc.

Code.....	Goarined
Size of cans, pint.....	$\frac{1}{2}$
Per dozen.....	\$3.00
Weight per case, lbs.....	12
Shipping measurement per case, cubic feet.....	$\frac{3}{12}$
One dozen in a case.	



## BLACK VARNISH.

BEST GRADE ASPHALTUM.

Code.....	Goatman
Per gallon.....	\$2.50
Weight per gallon, lbs.....	8

## "PEERLESS" ALUMINUM ENAMEL.

HIGHEST GRADE MADE.

Can be used on any surface. Will give a bright enamel finish with frosted silver effect.

Code .....	Goaventure	Gobadill
Pint.....	$\frac{1}{4}$	1
Per dozen.....	\$4.00	13.00
Weight per case, lbs.....	17½	17½
Shipping measurement per case, cu. ft.	$\frac{1}{12}$	$\frac{1}{12}$
$\frac{1}{4}$ -pint cans, three dozen in a case.		
1-pint cans, one dozen in a case.		



## WHITE ENAMEL PAINT.

BEST QUALITY.

Applied to any surface with satisfactory results.

Code .....	Gobalico	Gobament	Gobarrona
Size of cans .....	$\frac{1}{2}$ pt.	1 pt.	1 qt.
Per dozen.....	\$6.00	10.00	19.20
Weight per dozen, lbs.....	.....	.....	.....



## UNIVERSAL METAL PUTZ.

GENUINE RED PASTE POLISH. HELMET AND FLOWING PLUME BRAND.

This paste will not shrink, or lose its polishing or cleaning qualities with age.

Code.....	Gobaticos	Gobillo	Gobinate
Size, lbs.....	1	2½	5
Per pound.....	\$0.25	.22	.22
1-pound tins packed six dozen in a case.			



## MEYERS' PUTZ EXTRACT.

A CREAM-COLORED PASTE.

For cleaning and polishing Gold, Silver, Brass, Copper and all metals.

This cream is made from the highest grade oils, and is positively superior to any known paste polish. It is free from grit, mercury or acid.

Code .....	Gobitone	Gobstuck
Numbers .....	4	16
Size.....	3 oz.	1 lb.
Per dozen.....	\$1.30	6.00

3-ounce, one gross in a case; weight, 34 pounds.  
1-pound, one-quarter gross in a case; weight, 44 pounds.





## MEYERS' PUTZ LIQUID.

A RED LIQUID POLISH.

Code .....	Gocadino
Size of cans, pint.....	$\frac{1}{2}$
Per dozen .....	\$3.00
Weight per case, lbs.....	30

Three dozen in a case.



## "SUNSHINE" METAL POLISH.

LIQUID. HIGH GRADE.

Code .....	Gocardare	Gocaroned
Size of cans, pint.....	$\frac{1}{2}$	1
Per dozen .....	\$2.40	4.20
Weight per case, lbs.....	11	18
Shipping measurement per case, cu. ft.	$\frac{1}{3}$	$\frac{2}{12}$

One dozen in a case.

**"BRILLIANTSHINE."**

IN LIQUID FORM.



	GALLON.	HALF GALLON.	QUART.	PINT.	HALF PINT.
Code .....			Gocatemala	Gocador	Gocalepe
Numbers .....			2	3	4
Size .....			½ pt.	1 pt.	1 qt.
Per dozen .....			\$1.80	3.40	6.20
Case lots, doz.....			3	2	1
Weight per case, lbs.....			29½	32	30
Shipping measurement per case, cubic feet.....			1½	1	1

**"BRILLIANTSHINE."**

IN PASTE FORM.

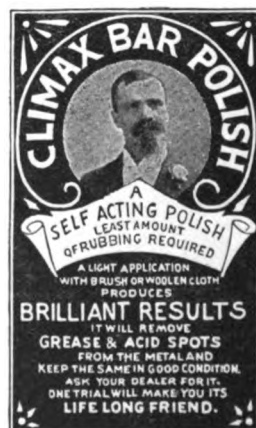
WILL POLISH EITHER HOT OR COLD METALS.

Code.....	Gochidur	Gochori	Goceland	Gocelares
Numbers.....	7	8	9	10
Size .....	2 oz.	5 oz.	1 lb.	5 lb.
Per dozen .....	\$1.00	2.00	4.00	20.40
Case lots, doz.....	12	6	2	½
Weight per case, lbs...	35	40	34	38
Ship. meas. per case, cu. ft....	¾	1½	¾	1

**"CLIMAX" BAR POLISH.**

POWDERED FORM. USED WITH WATER.

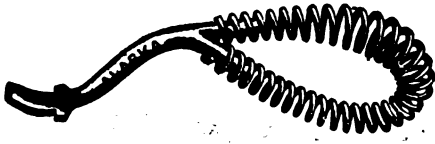
Code.....	Gochabamo
Number .....	12
Size .....	1 lb.
Per dozen .....	\$2.40
Case lots, doz.....	3
Weight per case, lbs.....	38
Shipping measurement per case, cubic feet.....	1¼





**"ALASKA" COVER LIFTERS.**

NICKEL-PLATED.



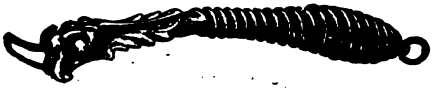
Code.....	Gocharzi
Number.....	2
Length, inches.....	9
Per dozen .....	\$1.30
Weight per doz., lbs.....	5¼

One dozen in a box.

**"ALASKA" COVER LIFTERS.**

NICKEL-PLATED.

MALLEABLE IRON. WITH WIRE HANDLES.



Code.....	Gochel
Number.....	8
Length, inches.....	10
Per dozen .....	\$1.30
Weight per doz., lbs.....	5¼

One dozen in a box.

**"ALASKA" COVER LIFTERS.**

NICKEL-PLATED.

MALLEABLE IRON WITH WIRE HANDLES.



Code.....	Gochorno
Number.....	9
Length, inches.....	10
Per dozen .....	\$1.30
Weight per doz., lbs.....	4¾

One dozen in a box.

**WIRE HANDLE COVER LIFTERS.**

NICKEL-PLATED.



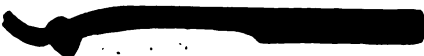
Code.....	Godache
Number.....	1 A
Length, inches.....	9½
Per dozen .....	\$1.00
Weight per doz., lbs.....	3¼

One dozen in a box.

**"ZERO" COVER LIFTERS.**

JAPANNED BLACK.

STAMPED FROM ONE PIECE OF HEAVY STEEL.



Code.....	Godalhar
Length, inches.....	10½
Per dozen .....	\$0.55
Weight per doz., lbs.....	2¾

Three dozen in a box.

## "CHAMPION" COVER LIFTERS.

CAST IRON. COPPER BRONZED.

Code.....	Godegone
Number .....	17
Length, inches .....	10
Per dozen.....	\$0.60
Weight per dozen, lbs.....	2½
One dozen in a box.	



## H. M. & S. COVER LIFTERS.

COPPERED. IRON. HALF ROUND.

Code .....	Godemfres
Number .....	8
Length, inches .....	8¾
Per dozen.....	\$0.45
Weight per dozen, lbs.....	3¾
One dozen in a package.	



## "OUT O' SIGHT" COVER LIFTERS

AND TACK HAMMERS.

Code .....	Godemran	Godenbar
Style.....	Nickel-Plated	Copper-Plated
Length, inches .....	9½	9½
Per dozen.....	\$1.50	1.50
Weight per dozen, lbs.....	4¾	4¾
One dozen in a box.		



## "NOVELTY" COVER LIFTERS.

NICKEL-PLATED.

Can be used for Single Cover or for two Covers and Short Center.

Code .....	Godendrat
Length over all, inches.....	11
Length of lifter, inches.....	8½
Per dozen.....	\$3.40
Weight per dozen, lbs.....	11



## WOOD HANDLE COVER LIFTERS.

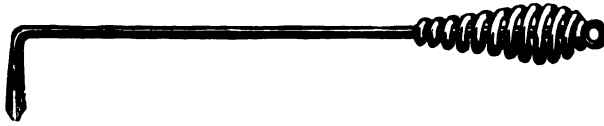
JAPANNED.

Code .....	Godenleen
Number .....	1
Length, inches .....	11
Per dozen.....	\$0.55
Weight per dozen, lbs.....	3
One dozen in a package.	



**"ALASKA" POKERS.**

NICKEL-PLATED.

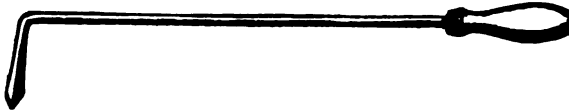


Code .....	Godenlock
Number .....	<b>1</b>
Length, inches .....	18½
Per dozen .....	<b>\$1.00</b>
Weight per dozen, lbs. ....	6

One dozen in a box.

**WOOD HANDLE POKERS.**

WROUGHT IRON. JAPANNED.



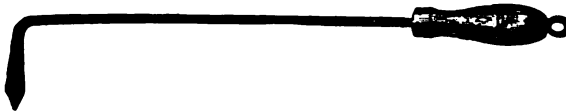
Poker passes entirely through handle. Has forged  
shoulder at one end of handle and is riveted  
at the other end.

Code .....	Godenlost	Godenrade	Godenricht
Numbers .....	<b>01</b>	<b>02</b>	<b>100</b>
Length, inches .....	19	22	19
Per dozen .....	<b>\$1.80</b>	1.65	2.25
Weight per dozen, lbs. ....	10	11	12

One-half dozen in a package.  
No. 100 has an extra finish.

**WOOD HANDLE POKERS.**

WROUGHT IRON. JAPANNED. WITH SCREW EYES.

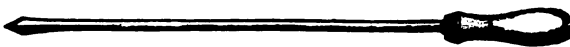


Code .....	Godicast
Number .....	<b>08</b>
Length, inches .....	21
Per dozen .....	<b>\$1.50</b>
Weight per dozen, lbs. ....	13

One-half dozen in a package.

**WOOD HANDLE POKERS.**

WROUGHT IRON. JAPANNED.



Code .....	Godigore
Number .....	<b>6</b>
Length, inches .....	18
Per dozen .....	<b>\$1.90</b>
Weight per dozen, lbs. ....	12

One-half dozen in a package.

**H. M. & S. HEAVY POKERS.** $\frac{3}{16}$ -INCH RODS. POLISHED. WITH SPIRAL HANDLES.

Code .....	Godinare	Godley
Length, inches .....	<b>24</b>	<b>30</b>
Per dozen.....	<b>\$2.40</b>	<b>2.90</b>
Weight per dozen, lbs.....	<b>22</b>	<b>28</b>
One-half dozen in a package.		

**"ALASKA" FIRE SHOVELS.**

TINNED. SHORT HANDLES.

Code.....	Godocare
Number.....	<b>1½</b>
Length, inches.....	<b>17</b>
Scoop, inches.....	<b>5x8</b>
Per dozen.....	<b>\$2.25</b>
Weight per dozen, lbs.....	<b>9½</b>
One-half dozen in a package.	

**"ALASKA" FIRE SHOVELS.**

TINNED. LONG HANDLES.

Code.....	Godrizen
Number.....	<b>8</b>
Length, inches.....	<b>23</b>
Scoop, inches.....	<b>5x8</b>
Per dozen .....	<b>\$3.00</b>
Weight per dozen, lbs.....	<b>12½</b>
One-half dozen in a package.	

**H. M. & S. HEAVY FIRE SHOVELS.** $\frac{3}{16}$ -INCH RODS. POLISHED. LONG HANDLES.

Code.....	Goebelde	Goebese
Inches .....	<b>24</b>	<b>30</b>
Scoop, inches.....	<b>5¼x8</b>	<b>5¼x8</b>
Per dozen .....	<b>\$4.20</b>	<b>4.80</b>
Weight per dozen, lbs.....	<b>19</b>	<b>21½</b>
One-half dozen in a package.		

**FIRE SHOVELS.**

SHEET IRON. JAPANNED. SHORT IRON HANDLES.

Code.....	Goedell
Number .....	<b>11</b>
Length, inches .....	<b>14</b>
Scoop, inches .....	<b>4½x7</b>
Per dozen .....	<b>\$1.15</b>
Weight per dozen, lbs.....	<b>10</b>
One-half dozen in a package.	



**FIRE SHOVELS.**

SHEET IRON. JAPANNED. SHORT WOOD HANDLES.



Code.....	Goedelrom	Goekenge	Goekenzal
Numbers .....	<b>12</b>	<b>012</b>	<b>18</b>
Length, inches.....	15¾	15¾	16
Scoop, inches.....	4½x6½	4½x6½	5x7½
Per dozen.....	\$.....	1.75	1.65
Weight per doz., lbs.....	8½	8½	12

One-half dozen in a package.

No. 012 has extra finish.

**FIRE SHOVELS.**

SHEET IRON. JAPANNED. SHORT STAMPED HANDLES.



Code.....	Goekhand
Number .....	<b>0121</b>
Length, inches.....	15
Scoop, inches.....	5x7½
Per dozen .....	\$0.60
Weight per doz., lbs.....	5½

One-half dozen in a package.

**FIRE SHOVELS.**

SHEET IRON. JAPANNED. SHORT ROUND HANDLES.



Code.....	Goekschul	Goekstave
Numbers .....	<b>2 Medium</b>	<b>5 Heavy</b>
Length, inches.....	15	16
Scoop, inches.....	4½x7	4¾x8
Per dozen.....	\$0.60	.90
Weight per doz., lbs.....	4¼	7½

One-half dozen in a package.

**FIRE SHOVELS.**

HEAVY. SHEET IRON. GALVANIZED. SHORT ROUND HANDLES.



Code.....	Goekweite
Number .....	<b>50</b>
Length, inches.....	16
Scoop, inches.....	4¾x8
Per dozen .....	\$1.20
Weight per doz., lbs.....	8¼

One-half dozen in a package.

**FIRE SHOVELS.**

HEAVY. SHEET IRON. JAPANNED. LONG ROUND HANDLES.

Code.....	Goekwink
Number.....	7
Length, inches.....	23
Scoop, inches.....	5x8
Per dozen.....	\$1.45
Weight per doz., lbs.....	10

One-half dozen in a package.

**FIRE SHOVELS.**

HEAVY. SHEET IRON. GALVANIZED. LONG ROUND HANDLES.

Code.....	Goekwurm
Number.....	70
Length, inches.....	23
Scoop, inches.....	5x8
Per dozen.....	\$1.75
Weight per doz., lbs.....	12

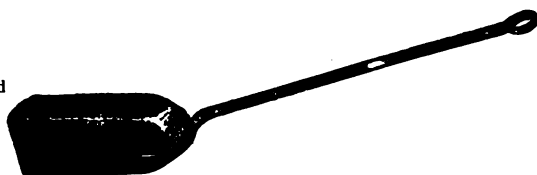
One-half dozen in a package.

**FIRE SHOVELS.**

EXTRA STRONG. JAPANNED. SHEET IRON SCOOPS.  
LONG FLAT WROUGHT HANDLES.

Code.....	Goekzift	Goekerd
Numbers.....	4	5
Length, inches.....	21	23
Scoop, inches.....	4¼ x 7¾	5½ x 9
Per dozen.....	\$1.35	1.90
Weight per doz., lbs.....	10½	11½

One-half dozen in a package.

**FIRE SHOVELS.**

EXTRA STRONG. JAPANNED. SHEET IRON SCOOPS.  
LONG ROUND WROUGHT HANDLES.

Code.....	Goemond	Goender	Goenwast
Numbers.....	128	180	181
Length, inches.....	22	27½	31¼
Scoop, inches.....	5¼ x 7	6¼ x 8¾	7¼ x 9½
Per dozen.....	\$1.65	2.65	3.40
Weight per doz., lbs.....	10	19	25

One-half dozen in a package.



**COAL TONGS.**

JAPANNED. OPENS 6 INCHES.

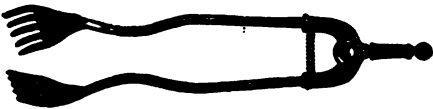


Code.....	Goertend
Number .....	1
Length, inches.....	13
Per dozen.....	\$1.95
Weight per doz., lbs.....	11½

One-half dozen in a package.

**COAL TONGS.**

WROUGHT. JAPANNED. OPENS 6 INCHES WITH  
SPRING.

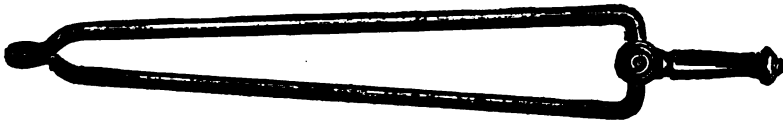


Code.....	Goesarte
Number .....	8
Length, inches.....	17
Per dozen .....	\$3.00
Weight per doz., lbs.....	11½

One-half dozen in a package.

**IRON HEAD TONGS.**

JAPANNED. HEAVY.



Code.....	Goeschum
Number .....	68
Length, inches.....	25
Per dozen .....	\$9.00
Weight per doz., lbs.....	29

One-half dozen in a package.

**TONGS.**

WROUGHT IRON FINISH.

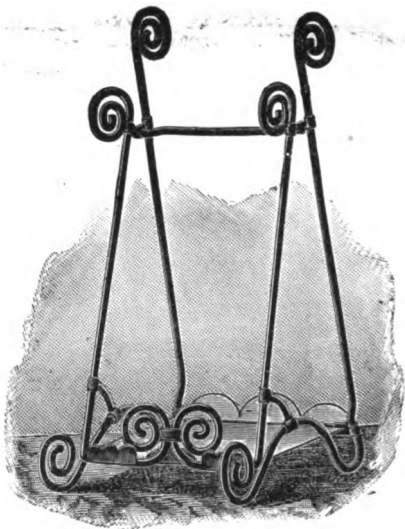
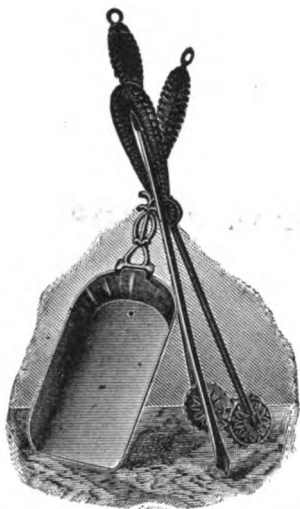


Code.....	Goetgebe
Number .....	9716
Length, inches.....	24
Each .....	\$2.25
Weight per pair, lbs.....	1¾

One pair in a package.

“ALASKA” PARLOR SETS.

ANTIQUE BRONZE FINISH. LIGHT AND DURABLE. ALASKA HANDLES.



Code .....	Goetkled
Number.....	7
Height of Stand, inches.....	19
Length of Shovel, inches.....	16
Length of Tongs, inches.....	15
Length of Poker, inches.....	20
Per set.....	\$3.40
Weight per set, lbs.....	6

KITCHEN SETS.

ENAMELED AND BRONZED.

Code .....	Goezuela	Gofarinas
Numbers .....	1	4
Height, inches.....	17	17
Styles.....	Shear Tongs	Claw Tongs
Per dozen sets.....	\$13.50	13.50
Weight per dozen packed, lbs.....	116	116
Shipping measurement per doz., cu. ft.	2¾	2¾

One-half dozen sets in a case.

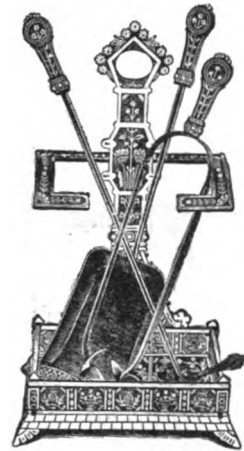




# KITCHEN SETS.

ENGLISH BRONZED.

Code .....	Gofelhase
Number.....	28
Height, inches.....	18
Per dozen sets .....	\$30.00
Weight per dozen sets, packed, lbs.....	.....
Shipping measurement per dozen sets packed, cubic feet .....	4¼
One-half dozen sets in a case.	



# IRON FIRE SETS.

WROUGHT IRON FINISH.



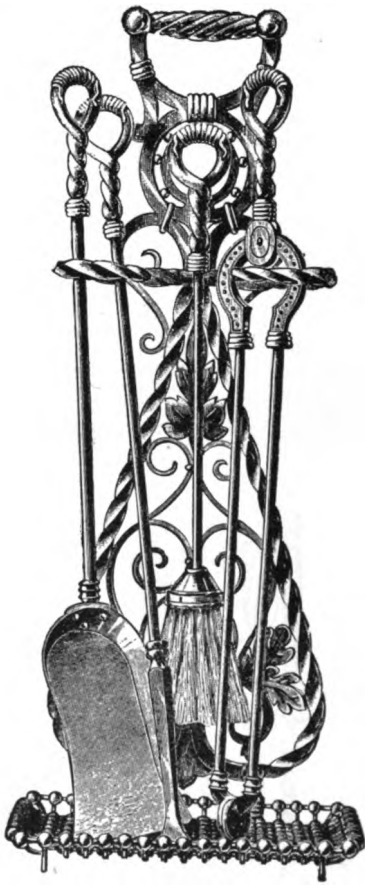
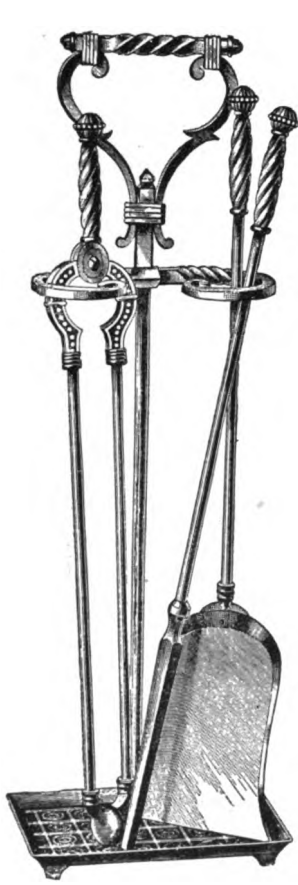
Code .....	Gofetone
Number.....	9702
Height, inches.....	24
Per set .....	\$4.50
Weight per set, lbs.....	11¾



Code.....	Goffard
Number.....	9708
Height, inches.....	23
Per set.....	\$4.50
Weight per set, lbs.....	10¼

IRON FIRE SETS.

WROUGHT IRON FINISH.

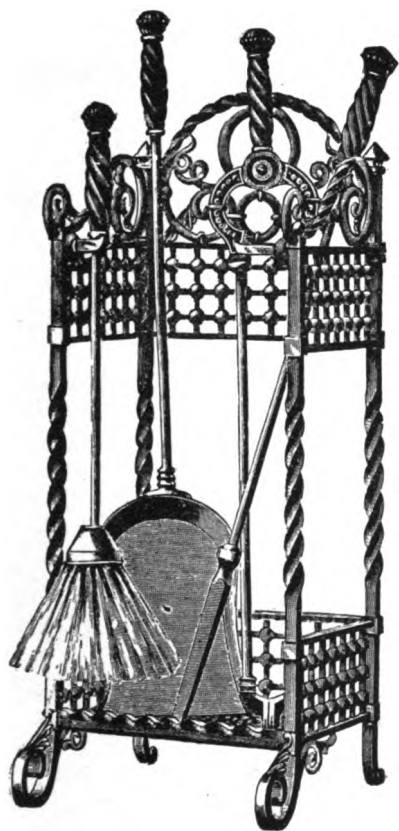


Code .....	Goffoire
Number.....	<b>9701</b>
Height, inches.....	27
Per set .....	<b>\$5.25</b>
Weight per set loose, lbs .....	12

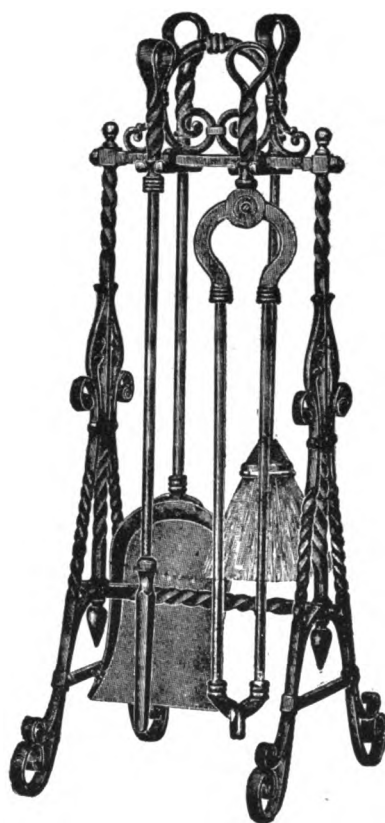
Code .....	Goffonchi
Number.....	<b>9706</b>
Height, inches .....	27
Per set.....	<b>\$9.00</b>
Weight per set loose, lbs.....	23¼

**IRON FIRE SETS.**

WROUGHT IRON FINISH.

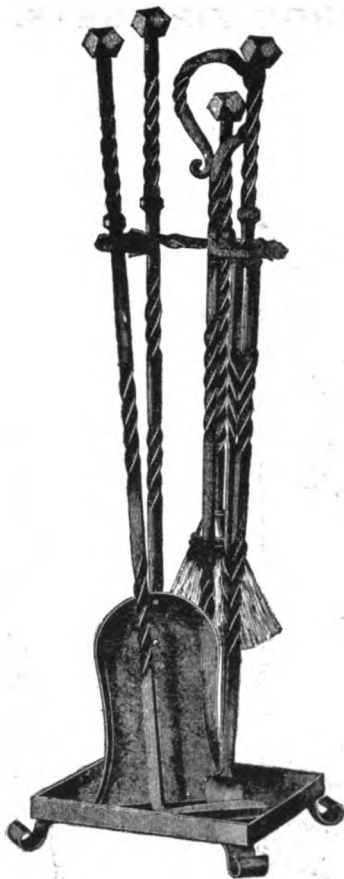


Code.....	Gohadsic
Number.....	<b>9709</b>
Height, inches.....	24
Per set.....	<b>\$9.00</b>
Weight per set, lbs.....	23¼



Code.....	Gohamake
Number.....	<b>9710</b>
Height, inches.....	27
Per set.....	<b>\$7.50</b>
Weight per set, lbs.....	.....

WROUGHT IRON FIRE [SETS.



Code .....	Gohemica
Number.....	<b>10282</b>
Height, inches .....	<b>30</b>
Per set.....	<b>\$12.00</b>
Weight per set, lbs .....	.....

## SECTION 12.

### OIL, GASOLINE AND GAS STOVES.

LAMP STOVES. WICKLESS BLUE FLAME OIL STOVES. PRIMUS OIL STOVES.

NEW PROCESS AND KINWOOD GASOLINE STOVES.

GAS HOT PLATES AND RADIATORS. OIL HEATERS AND SUNDRIES.



## HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK

## OIL, GASOLINE AND GAS STOVES.

In this line we are always abreast of the times, carrying a large stock of the newest and most approved styles that are made. Selected from the various manufacturers that maintain a standard of excellence, second to none, both as to design, mechanism and quality of material used.

In ordering goods from this section it is only necessary to use the code word over the number or size of the article or articles wanted preceded by words from the code in the front of this book.

Example: Crosistas aciberaba each gohlenhol gohorder goironte.

Translation: Ship by railroad immediately one and one-half dozen each numbers one Puritan, one hundred Triumph and nought one Defiance Lamp Stoves.



### PURITAN LAMP STOVES.

ONE 4-INCH BRASS BURNER SOLDERED TO RESERVOIR.

Top Grate, Cone and Mica Frame Polished and Nickel-plated. Tin Chimneys. Oil Reservoir cast in one piece.

Code.....	Gohlenhol
Number .....	1
Capacity oil reservoir, pints.....	1½
Top grate, inches .....	4½x6½
Height, inches.....	9½
Per dozen .....	\$18.00
Weight per doz. packed, lbs.....	88
Shipping measurement per doz., cubic feet.....	4¾

One-half dozen in a case.



### PURITAN LAMP STOVES.

TWO 4-INCH BRASS BURNERS SOLDERED TO RESERVOIR.

Top Grate, Cone and Mica Frame Polished and Nickel-plated. Tin Chimneys. Oil Reservoir cast in one piece. Swinging Mica Doors.

Code.....	Gohnenlor
Number .....	2
Capacity oil reservoir, quarts.....	1½
Top grate, inches .....	7¾x6¾
Height, inches .....	9½
Per dozen .....	\$36.00
Weight per doz. packed, lbs.....	164
Shipping measurement per doz., cubic feet.....	7½

One-half dozen in a case.



### PURITAN LAMP STOVES.

THREE 4-INCH BRASS BURNERS SOLDERED TO RESERVOIR.

Top Grate, Cone and Mica Frame Polished and Nickel-plated. Tin Chimneys. Oil Reservoir cast in one piece. Swinging Mica Doors.

Code.....	Gohnenmal
Number .....	3
Capacity oil reservoir, quarts.....	2½
Top grate, inches .....	10¼x6¾
Height, inches.....	9½
Per dozen .....	\$48.00
Weight per doz. packed, lbs.....	224
Shipping measurement per doz., cubic feet.....	12¾

One-quarter dozen in a case.

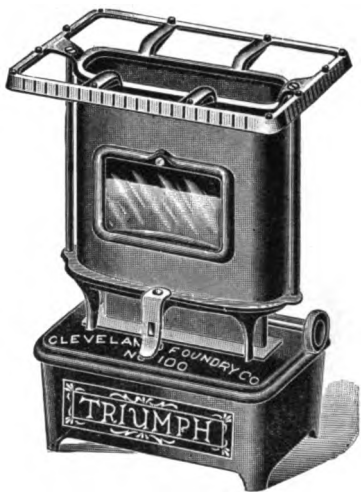
TRIUMPH LAMP STOVES.

ONE 4-INCH BRASS BURNER SOLDERED TO  
RESERVOIR.

Top Grates, Mica Frames and Cones Nickel-plated.  
Tin Chimneys. Oil Reservoirs cast in one piece.

Code.....	Gohorder
Number.....	100
Capacity oil reservoir, pints.....	1½
Top grate, inches.....	4¾x6¾
Height, inches.....	9
Per dozen....	\$15.00
Weight per doz. packed, lbs.....	68
Shipping measurement per dozen, cubic feet....	3

One-half dozen in a case.



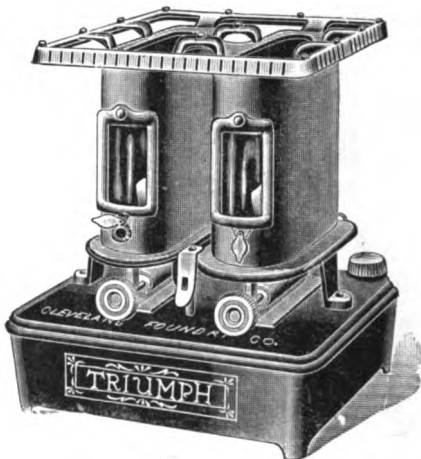
TRIUMPH LAMP STOVES.

TWO 4-INCH BRASS BURNERS SOLDERED TO  
RESERVOIR.

Top Grates, Mica Frames and Cones Nickel-plated.  
Tin Chimneys. Oil Reservoirs cast in one piece. Swing-  
ing Mica Doors.

Code.....	Gohrlack
Number.....	200
Capacity oil reservoir, quart.....	1
Top grate, inches.....	7¾x6¾
Height, inches.....	9
Per dozen.....	\$30.00
Weight per doz. packed, lbs.....	136
Shipping measurement per dozen, cubic feet.....	4½

One-half dozen in a case.



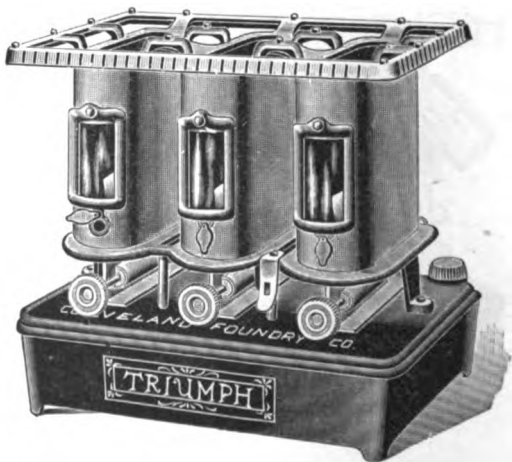
TRIUMPH LAMP STOVES.

THREE 4-INCH BRASS BURNERS SOLDERED TO  
RESERVOIR.

Top Grates, Mica Frames and Cones Nickel-plated.  
Tin Chimneys. Oil Reservoirs cast in one piece. Swing-  
ing Mica Doors.

Code.....	Gohlaric
Number.....	300
Capacity oil reservoir, quarts.....	2
Top grate, inches.....	10¼x6¾
Height, inches.....	9
Per dozen.....	\$45.00
Weight per doz. packed, lbs.....	192
Shipping measurement per dozen, cubic feet....	8

One-quarter dozen in a case.





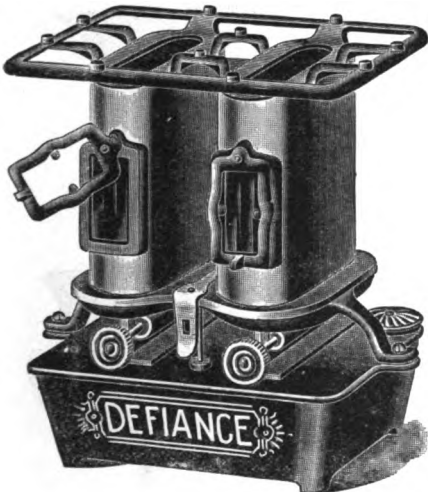
**DEFIANCE LAMP STOVES.**

ONE 4-INCH BRASS BURNER SOLDERED TO  
RESERVOIR.

Top Grates and Cones Japanned. Mica Frames  
Nickel-plated. Tin Chimneys. Oil Reservoirs cast in  
one piece.

Code.....	Goironte
Number .....	<b>01</b>
Capacity oil reservoir, pints.....	1¼
Top grate, inches.....	4x6
Height, inches.....	8½
Per dozen.....	\$12.00
Weight per doz. packed, lbs.....	72
Shipping measurement per dozen, cubic feet.....	2½

One-half dozen in a case.

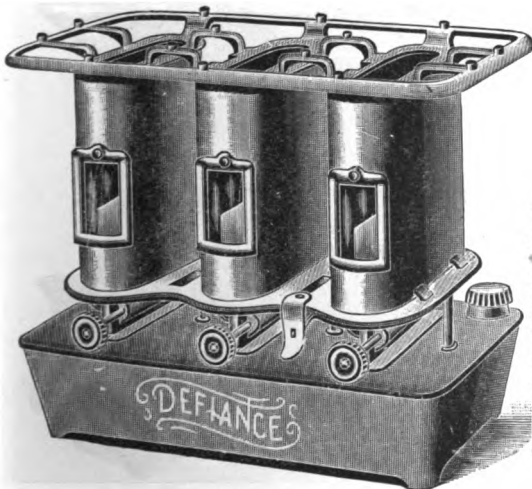
**DEFIANCE LAMP STOVES.**

TWO 4-INCH BRASS BURNERS SOLDERED TO  
RESERVOIR.

Top Grates and Cones Japanned. Mica Frames  
Nickel-plated. Tin Chimneys. Oil Reservoirs cast in  
one piece.

Code.....	Goisemen
Number .....	<b>02</b>
Capacity oil reservoir, quart.....	1
Top grate, inches.....	7¾x6
Height, inches.....	8½
Per dozen.....	\$24.00
Weight per doz. packed, lbs.....	116
Shipping measurement per dozen, cubic feet.....	4½

One-half dozen in a case.

**DEFIANCE LAMP STOVES.**

THREE 4-INCH BRASS BURNERS SOLDERED TO  
RESERVOIR.

Top Grates and Cones Japanned. Mica Frames  
Nickel-plated. Tin Chimneys. Oil Reservoirs cast in  
one piece.

Code.....	Goisland
Number .....	<b>03</b>
Capacity oil reservoir, quarts.....	2
Top grate, inches.....	10¼x6
Height, inches.....	8½
Per dozen.....	\$36.00
Weight per doz. packed, lbs.....	180
Shipping measurement per dozen, cubic feet.....	7

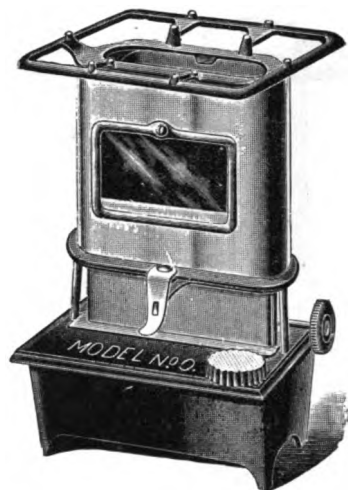
One-quarter dozen in a case.

**MODEL LAMP STOVES.**

ONE 4-INCH BRASS BURNER SOLDERED TO RESERVOIR.

Top Grates and Cones Japanned. Reservoir cast in one piece. Tin Chimney. Mica Frames Nickel-plated.

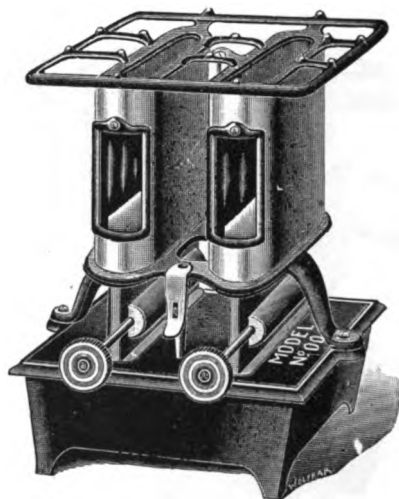
Code .....	Goitarde
Number .....	0
Capacity oil reservoir, pint.....	$\frac{3}{4}$
Top grate, inches.....	$3\frac{3}{4} \times 6$
Height, inches.....	$8\frac{1}{2}$
Per dozen.....	\$9.00
Weight per dozen packed, lbs.....	48
Shipping measurement per dozen, cubic feet.....	$2\frac{1}{12}$
One dozen in a case.	

**MODEL LAMP STOVES.**

TWO 4-INCH BRASS BURNERS SOLDERED TO RESERVOIR.

Top Grates and Cones Japanned. Reservoir cast in one piece. Tin Chimneys. Mica Frames Nickel-plated.

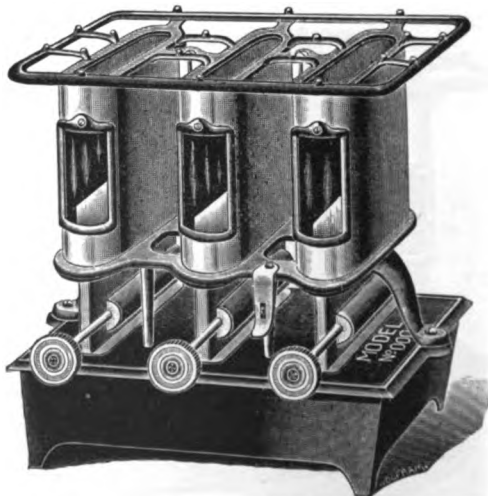
Code .....	Golachat
Number .....	00
Capacity oil reservoir, pints.....	$1\frac{1}{4}$
Top grate, inches.....	$5\frac{7}{8} \times 6$
Height, inches.....	$8\frac{1}{2}$
Per dozen.....	\$18.00
Weight per dozen packed, lbs.....	82
Shipping measurement per dozen, cubic feet.....	$3\frac{5}{8}$
One-half dozen in a case.	

**MODEL LAMP STOVES.**

THREE 4-INCH BRASS BURNERS SOLDERED TO RESERVOIR.

Top Grates and Cones Japanned. Reservoir cast in one piece. Tin Chimneys. Mica Frames Nickel-plated.

Code .....	Golanther
Number .....	000
Capacity oil reservoir, pints.....	2
Top grate, inches.....	$8\frac{3}{4} \times 6$
Height, inches.....	$8\frac{1}{2}$
Per dozen.....	\$27.00
Weight per dozen packed, lbs.....	120
Shipping measurement per dozen, cubic feet.....	5
One-quarter dozen in a case.	



**ALCOHOL POCKET STOVES.**

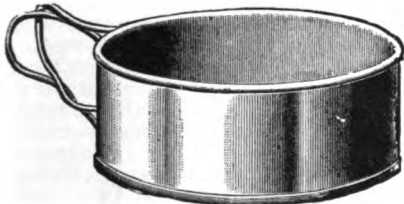
NON-EXPLOSIVE. BRASS.

Top Stand can be removed and inverted over the Lamp.

Code .....	Golarmene
Number.....	<b>1020</b>
Diameter, inches.....	3 $\frac{1}{4}$
Height, inches.....	1 $\frac{3}{4}$
Per dozen.....	<b>\$2.50</b>
Weight per dozen, lbs.....	2 $\frac{1}{2}$
All packed in a box 3 $\frac{1}{2}$ inches square by 1 $\frac{1}{2}$ inches high.	

**ALCOHOL POCKET STOVES.**

WITH TIN BOILER. OTHERWISE SAME AS NO. 1020.

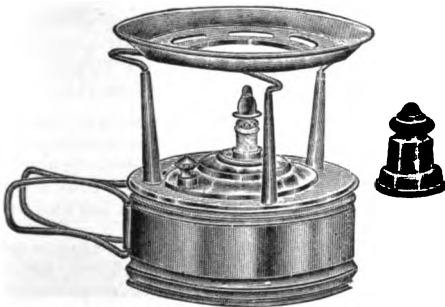


Cut shows Tin Boiler only.

Code.....	Golazost
Number .....	<b>1022</b>
Capacity of boiler, pint.....	$\frac{1}{2}$
Diameter of boiler, inches.....	4 $\frac{1}{4}$
Height of boiler, inches.....	1 $\frac{3}{4}$
Per dozen .....	<b>\$6.00</b>
Weight per dozen, lbs.....	5
All packed in a box 4 $\frac{1}{2}$ inches square by 2 inches high.	

**FRENCH ALCOHOL LAMPS.**

HEAVY PLANISHED TIN. BRASS BURNER AND REGULATOR.



Code .....	Golbenes	Golbitise
Numbers.....	<b>296</b>	<b>280</b>
Capacity, pint.....	$\frac{1}{4}$	$\frac{1}{2}$
Diameter, inches.....	4 $\frac{1}{2}$	6
Height, inches.....	4 $\frac{3}{4}$	6
Per dozen.....	<b>\$30.00</b>	36.00
Weight per dozen, lbs.....	20 $\frac{1}{2}$	24 $\frac{1}{2}$

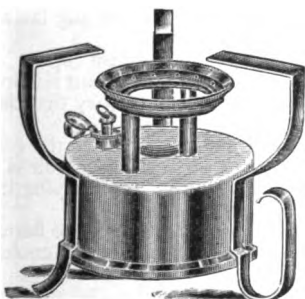
No. 296 has stationary handle.

No. 280 has folding handle.

**REFORM SPIRIT GAS LAMPS.**

FOR ALCOHOL.

POLISHED BRASS. GENERATES AND BURNS GAS.



Code.....	Golbitone
Capacity, pint.....	$\frac{1}{4}$
Diameter, inches.....	5
Height, inches.....	4 $\frac{1}{4}$
Per dozen.....	<b>\$10.00</b>
Weight per dozen, lbs.....	6 $\frac{1}{2}$

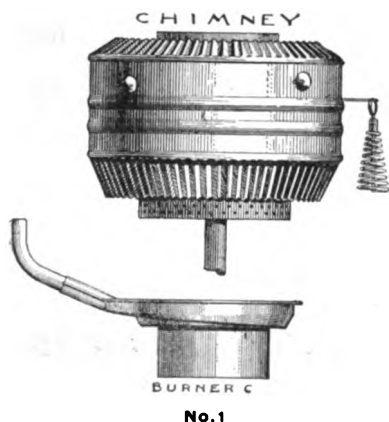
## THE "STANDARD" WICKLESS BLUE FLAME STOVES.

FOR COAL OIL OR GASOLINE.

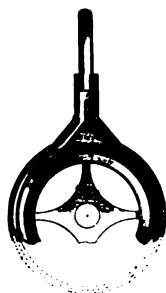
It is with a feeling of great assurance and satisfaction that we offer our "Wickless" Blue Flame Oil Stove to the trade for this, its sixth season.

While there have been a number of other "Wickless" Stoves put on the market, the universal satisfaction with which our "Standard" has been sold by the trade and used by consumers is the most positive evidence that it is properly constructed to meet the popular demand for a good, practical oil stove. The simplicity of our "Standard" Wickless is a feature that recommends it for use in the kitchen, where mechanical ingenuity is usually lacking.

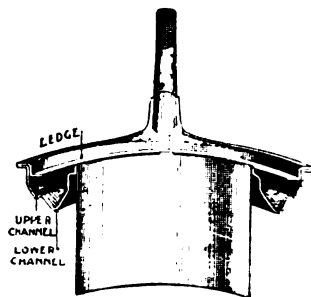
It cannot be styled an evaporator or generator, as it burns the oil as simply and completely as a handful of wood shavings would be burned if ignited in the fire-pot of an ordinary cook stove. To successfully accomplish this result there are two important and vital features of the stove, and in which ours differ from the other styles of wickless, namely: THE BURNER CUP that receives and distributes the oil to the flame, and the COMBUSTION CHAMBER or CHIMNEY where the gases are mixed with air in proper proportion to produce a blue flame. (See cut No. 1).



No. 1



No. 2



No. 3

The burner cup of the "Standard" Wickless, as shown in cut No. 2, is made with an enlarged entrance, the channel of the cup being divided so that the oil enters on both sides of the cup, where it is conducted into two channels, upper and lower, entirely around the cup. In this manner the oil is distributed evenly to all parts of the burner, giving a more even and perfect flame than can be secured where there is only a single small entrance to the cup. Further, our cup is less sensitive to being out of level, on account of the manner in which the oil is distributed.

The enlarged opening at the entrance of the cup provides for the expansion of gas, which always takes place where the oil enters a heated cup, thereby overcoming the tendency toward a pulsating flame, which is a common and objectionable feature of all other "Wickless" burner cups constructed without an enlarged opening at the entrance. By referring to cut No. 3, it will be seen that the channel cup is constructed with a ledge, which projects from the outer rim toward the center of the cup, on this ledge the outside perforate of the chimney rests. This ledge prevents, to a great degree, the oil from passing by capillary attraction over the surfaces of the burner, to that part which is outside of the chimney. For that reason the "Standard" Wickless can be operated with less smoke and odor than any other "Wickless" Blue Flame Oil Stove.

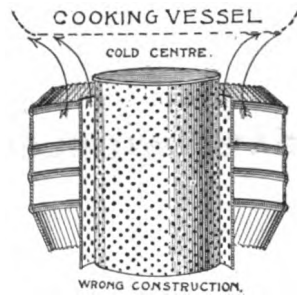
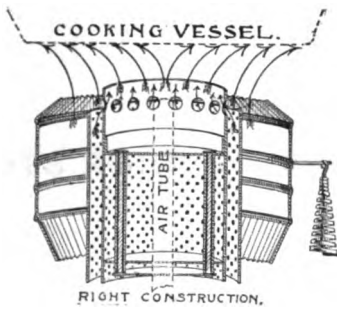
The burner cup is made of sheet metal (brass) which is quickly heated, so that in starting the stove it can be put in operation in much less time than is possible where a heavy cast cup is used.

That the burner cup is durable is proven by five years' experience with the sheet brass cup.

The chimney or combustion chamber of the "Standard" Wickless is a very important feature, and one that is distinctly *our own*. To secure the greatest efficiency from the burner it is necessary that the flame be applied as near the center of the cooking vessel as possible.

It will be seen from the cut of our chimney that it is constructed with a small tube in the center which extends from below the burner to the top; through this center tube a current of fresh, warm air is constantly furnished to the flames, which produces, at the center of the burner a most powerful fire applying it at a point where the greatest possible utilization of the heat is secured.

Through the large openings at the top of the inside perforate a large proportion of the flame is drawn toward the center of the burner, so that the heat is applied evenly over the bottom of the cooking vessel, thereby securing the greatest amount of benefit from the fuel consumed.



A comparative glance at the two cuts will show how the heat from our burner spreads evenly over the bottom of the article heated. If the top of the perforate were closed much of the heat would be lost by being applied too far from the center of the article to be heated.

### REASONS WHY PREFERRED.

It has no wick and is easily kept clean.

It has no joints to leak or packing nuts; no pressure of oil below the tank; it cannot leak.

It does not generate or evaporate, the oil simply drops into an open brass pipe through which it is conducted to an open burner ring where it burns, producing a powerful blue flame. Could anything be simpler?

It has a removable tank which can be carried to an outer room for filling.

It is absolutely safe.

It lights quickly, simply turn on the oil and apply the match.

It cooks instantly. There is no smoke—no delay. As soon as lighted a cooking vessel can be placed over the burner.

It has no stops or automatic regulators to govern the flow of oil. The flame is entirely under the control of the user.

It makes no difference what quality of oil is used, whether coal oil or gasoline, whether it is good or bad, heavy or light, thick or thin, hot or cold, the stove operates equally well, producing an intensely hot, smokeless, blue flame. Can as much be said truthfully of any other stove?

It has a glass sight feed which shows at a glance the flow of oil, and enables the user to regulate the valve quickly and accurately.

For economy of fuel as compared with the coal and wood stove it is beyond comparison. Will save what it costs in one season over coal or wood at the average price. It is a friend and helper to the thrifty housekeeper who tries to save what others waste.

Especially is it a boon to the country home and suburban residence where fuel gas cannot be obtained.

Lastly—it is safe, clean, quick, reliable and convenient, and no home can afford to forego the comfort that this wonderful stove brings.

The dealer who recognizes the merits of the "Standard" Wickless and places it on his sales floor will find it a ready and popular seller.

### ECONOMY.

TABLE SHOWING COMPARATIVE COST OF GAS AND OIL FOR FUEL PURPOSES.

A Gas Stove consumes 13 feet of Gas per hour per burner. A Wickless Blue Flame Oil Stove consumes  $\frac{1}{18}$  of gallon of Oil per hour per burner. 4.27 gallons Oil on above basis equals 1000 feet Gas 18 c. p. The Oil used in this test was "Water White."

Oil at 8 cents per gallon equals gas at 34 cents per 1000 feet.

" 9 "	" "	38	" "
" 10 "	" "	43	" "
" 11 "	" "	47	" "
" 12 "	" "	51	" "
" 13 "	" "	55	" "
" 14 "	" "	60	" "
" 15 "	" "	64	" "
" 16 "	" "	68	" "
" 17 "	" "	72	" "
" 18 "	" "	77	" "
" 19 "	" "	81	" "
" 20 "	" "	85	" "
" 21 "	" "	90	" "
" 22 "	" "	94	" "
" 23 "	" "	98	" "
" 24 "	" "	102	" "

## STANDARD WICKLESS BLUE FLAME JUNIOR STOVES.

FOR COAL OIL OR GASOLINE.



The above cut shows the Two-burner Junior of the new Wickless series. It has the same style of Burner Cup and Chimney as the larger Stoves, and will operate equally as well. The Burners are  $3\frac{1}{2}$  inches in diameter. The ornamentation is plain, but handsome. It has removable Tank and Sight Feed. An Oven can be used on Top of Stove for baking.

Code .....	Goldragon	Golerose
Numbers.....	<b>851</b>	<b>852</b>
Number of burners.....	2	3
Capacity of oil tank, quarts.....	4	4
Top, inches.....	22½ x 15½	32½ x 15½
Height, inches.....	15	15
Each.....	\$7.15	9.30
Weight crated, lbs.....	30	40
Shipping measurement, cubic feet .....	3½	6

One in a crate.

**STANDARD WICKLESS BLUE FLAME STOVES.**

FOR COAL OIL OR GASOLINE.



Has removable Tank and Glass Sight Feed. Burners are  $3\frac{1}{2}$  inches in diameter. An Oven can be used on Top for baking. This Stove is a convenient helper in any kitchen, has sufficient capacity for light house-keeping, and, on account of its compactness, is almost indispensable to a complete camp outfit. It is the simplest and most efficient wickless oil stove.

Code .....	Goletoid	Golgewast
Numbers.....	<b>251</b>	<b>252</b>
Number of burners.....	2	3
Capacity of oil tank, quarts .....	4	4
Top, inches.....	25x17	33x17
Height, inches..	15	15
Each.....	<b>\$9.50</b>	<b>12.00</b>
Weight crated, lbs.....	40	50
Shidpnig measurement, cubic feet .....	$5\frac{1}{4}$	$7\frac{1}{2}$

One in a crate.

STANDARD WICKLESS BLUE FLAME STOVES.

FOR COAL OIL OR GASOLINE.



The above Stove has the same style of Burners used on the larger stoves, 3½ inches in diameter. Is convenient in height, making a very desirable Stove for light housekeeping. Heavy Nickel-plated Casters. Oven can be used on Top of Stove for baking. Removable Tank and Glass Sight Feed.

Code .....	Golhant	Golheide
Numbers.....	260	261
Number of burners.....	2	3
Capacity of oil tank, quarts.....	4	4
Top, inches .....	25x17	33x17
Height, inches.....	27	27
Each.....	\$12.00	14.50
Weight crated, lbs.....	60	70
Shipping measurement, cubic feet.....	10¾	13¼

One in a crate.



**STANDARD WICKLESS BLUE FLAME STOVES.**

FOR COAL OIL OR GASOLINE. WITH NEW DROP DOOR IRON OVENS.

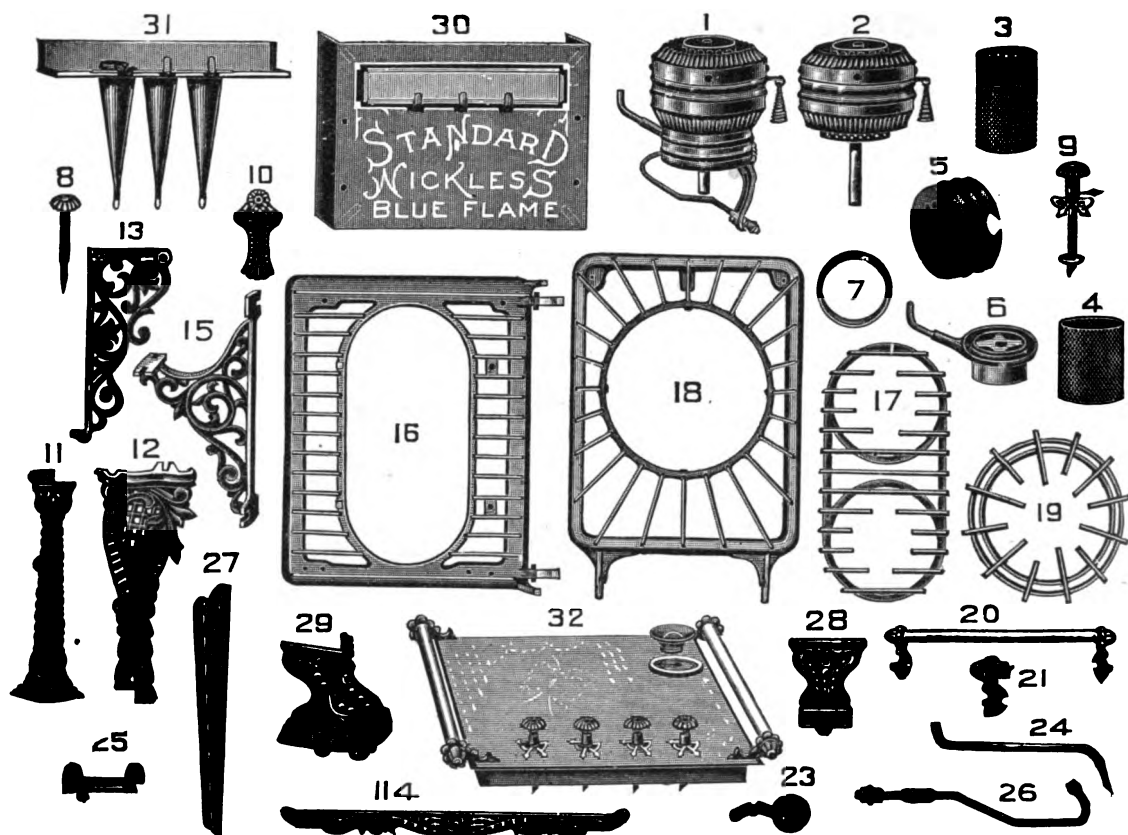


The above Stove has two  $3\frac{1}{2}$ -inch Burners on Top and two  $3\frac{1}{2}$ -inch Burners on the Step for Oven. This Stove is ornamental and has sufficient capacity for family use. For a medium-priced stove is a general favorite. Is provided with a removable Tank and Glass Sight Feed, so that the flow of oil is in plain sight of the user and can be easily regulated. Has heavy Nickel-plated Casters.

Code.....	Golichada	Golidame
Numbers.....	<b>265</b>	<b>266</b>
Number of burners.....	2	3
Capacity of oil tank, quarts.....	4	4
Top, inches.....	25x17	33x17
Height, inches.....	27	27
Step, inches.....	22x15	22x15
Each.....	\$21.00	24.00
Weight crated, lbs.....	120	140
Shipping measurement, cubic feet.....	22 $\frac{1}{12}$	27 $\frac{1}{12}$

One in a crate.

## REPAIR LIST AND CUTS OF REPAIRS FOR "STANDARD" WICKLESS BLUE FLAME OIL STOVES.



Orders for repairs must be accompanied with remittance to cover cost of repairs and postage.

	Price.	Postage.
No. 1—Burner complete for "Standard" Wickless—		
3½-inch.....	\$2.50	.....
4½-inch.....	3.50	.....
No. 2—Chimney complete, for any year—		
3½-inch.....	1.00	.....
4½-inch.....	1.40	.....
It is necessary, in ordering, to give date of stove; say whether for "Wickless" or "Standard" Wickless.		
No. 3—Inside Brass Perforate for Chimney—		
3½-inch.....	.50	\$0.12
4½-inch.....	.65	.16
No. 4—Outside Steel Perforate for Chimney—		
3½-inch.....	.20	.06
4½-inch.....	.25	.08
No. 5—Burner Rest Bowl for "Standard" Wickless—		
3½-inch.....	.25	.13
4½-inch.....	.35	.16
No. 6—Burner Cup for "Standard" Wickless—		
3½-inch.....	.40	.08
4½-inch.....	.60	.12
Must give date or serial letter of stove.		
No. 7—Starting Rings—		
3½-inch.....	Per dozen, .60	.12
4½-inch.....	“ .75	.15
NOTE—The "Wickless" and "Standard" Wickless Rings are not the same size. Always state for which they are wanted.		
Repair List continued on next page.		

## REPAIR LIST AND CUTS OF REPAIRS FOR "STANDARD" WICKLESS BLUE FLAME OIL STOVES.

	Price.	Postage.
No. 8—Needle, with knob, for "Standard" Wickless Blue Flame.....	\$0.30	\$0.04
No. 9—Valve complete, with Indicators and Needle, "Standard" Wickless.....	.60	.07
No. 10—Drum Post for "Standard" Wickless .....	.25	.05
No. 11—Nickel Shelf Column for Shelf on Low Junior.....	.35	.14
State whether for right or left.		
No. 12—Nickel Shelf Column for High Stoves.....	.50	.22
State whether right or left. Give date and number of stove.		
No. 13—Nickel Bracket Tank Support for "Standard" Wickless.....	.25	.14
State whether right or left.		
No. 14—Nickel Front Tank Support.....	.25	.15
Give number of stove.		
No. 15—Step Grate Brace for High Junior.....	.25	.09
" " " Stove.....	.35	.20
State whether front or back brace is wanted.		
No. 16—Step Grate, less Center Grate, for Nos. 275 and 276.....	.90	.....
No. 17—Oblong Center Grate.....	.45	.....
No. 18—Step Grate, less Center Grate, for Nos. 265 and 266.....	.75	.....
No. 19—Top Grate.....	.30	.....
Also used in center of Step Grate. If for Step, give year and number of stove.		
No. 20—Tank Handle with Brackets.....	.30	.07
No. 21—Bracket for Tank Handle.....	.10	.02
Say whether right or left, back or front.		
No. 22—Tank Handle only (not shown).....	.10	.02
No. 23—Starting Spoon .....	.10	.02
No. 24—Brass Supply Pipe, connecting Funnel with Burner Cup—		
Top Burners.....	Each, .30	.....
Oven Burners.....	" .75	.....
State number of stove and which Burner wanted.		
No. 25—Bracket to hold Supply Pipe.....	.10	.03
State whether for Top or Step Burner.		
No. 26—Lever, with Knob for raising Chimney.....	.10	.04
No. 27—Sheet Metal Bracket, Track for Oven.....	Each, .20	.....
No. 28—Center Foot, with Caster—		
For High Junior.....	.20	.08
" " Stove .....	.25	.10
No. 29—Corner Foot, with Caster—		
For High Junior.....	.30	.11
" " Stove .....	.35	.16
Give number of stove and say where located.		
No. 30—Splasher, with Starting Spoons and Funnels for High Shelf.....	.80	.....
No. 31—Tin Funnels, with Starting Spoons.....	.40	.....
No. 32—Tank, with Valves, complete—		
For Nos. 251, 351 and 260.....	2.75	.....
" " 252, 352, 261 and 265 .....	3.00	.....
" " 266 and 275 .....	3.25	.....
" No. 276.....	3.50	.....
No. 33—Nickel Front Bracket for Main Frame (not shown) .....	.30	.15
Give number of stove and say whether right or left.		

"Right" or "left" is designated as you face front of stove.

In ordering be sure to state Name, Number and Date or Serial Letter of Stove, and Repair Number.

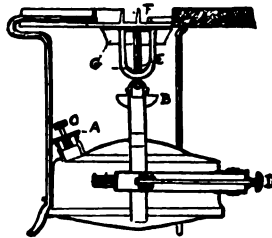
## PRIMUS GOODS.

### WHAT THE PRIMUS IS.

The Primus is a blue flame oil stove, which burns kerosene or petroleum, without a particle of wick, either of cotton or asbestos. Its burner is constructed upon a principle entirely new in oil stoves—that of converting the oil into a vapor that can be lighted and burned, exactly as one would light a gas jet, the vapor being generated only as fast as it is used. This is done very simply as follows :

A teaspoonful of wood alcohol is poured into the cup (b) and lighted, thus heating the tubes of the burner (g). When the alcohol is nearly consumed, a few strokes with the plunger of the air pump (d) force the oil up through the upright tube into the heated burner, where it is immediately vaporized and escapes as a gas from the minute hole of the nipple (e).

After once starting, the heat continues vaporizing without further use of the alcohol, and the flame is consequently steady and reliable. To extinguish the flame, the air valve (c) is opened, relieving the pressure in the reservoir and the oil is no longer forced into the burner, hence vaporizing ceases and the flame goes out. Thus it is impossible for vapor to accumulate.



At any time it is easy to increase the flame by means of the pump, or diminish it by means of the valve, as may be desired.

The result of this method has been to insure perfect combustion, absolute cleanliness and intense heat together with safety, convenience and economy. It also does away with that great objection to all other burning apparatus—on offensive odor. At no point of lighting, burning or extinguishing does the Primus produce an offensive odor.

The Primus is the only original kerosene burning gas stove on the market, and its superiority to all other methods of oil combustion is recognized by its thousands of users throughout the world. Special attention is called to the following essential points :

**Efficiency**—The Primus develops a heat of 2,100 degrees F. It will boil a quart of water in four minutes, and do a six-pound roast of meat to a turn in sixty minutes. It is capable of cooking anything that can be cooked upon a coal, gas or gasoline stove.

## PRIMUS GOODS.

### Beware of Cheap Imitations.

**Economy**—The Primus will burn at its full heat for five hours upon a consumption of only one quart of oil. Furthermore, it can be extinguished immediately after using, while a coal fire wastes heat for an hour or more in the process of going out.

The cost of fuel for the Primus is less than half that required for a gasoline range, and as compared with the cost of using gas or coal, the saving is much greater. It should soon pay for itself in the saving effect.

**Cleanliness**—As a result of its perfect combustion, the flame is pure blue, odorless and smokeless, consequently no soot is deposited upon the cooking utensils.

**Safety**—The Primus burns kerosene oil of any grade. It may safely be turned completely over while burning. Removing the cap to fill the reservoir extinguishes the flame instantly, rendering it safe in the hands of even the careless and inexperienced, as the flame goes out immediately when the air leaves the tank.

**Convenience**—It is almost as easy to light the Primus as it is to light a lamp, and it is quite as easy to fill it. The flame reaches its full heat within one minute from the time of lighting, is easily regulated, and can be instantly extinguished. Its small size makes it easy to handle and move, yet it will accommodate all ordinary cooking utensils.

**Durability**—The Primus is of the utmost simplicity, is strongly constructed of brass throughout, and with ordinary care should last a long time. It is solid, handsome and highly polished.

**Cost**—It is cheaper than any other stove of like capacity.

### WHAT THE PRIMUS WILL DO.

It is thoroughly efficient for all kinds of cooking. When used in connection with the Primus Oven, it is especially satisfactory for baking and roasting.

It is ideal as a summer stove, because it does not heat the kitchen; all the heat produced is concentrated in cooking.

As an outing stove it has no equal, being small enough to carry, powerful enough to cook with and easy to manage. We also make special yachting styles.

It will quickly heat a bedroom or bathroom when used with our heating top.

The same principle has been adapted successfully to a large line of industrial apparatus. We shall be glad to send information to any who are interested.

Dr. Nansen, the celebrated Arctic explorer, praises the Primus highly in "Farthest North," and tells how he came to choose it in preference to all others for his famous voyage, during which it approached nearer to the North Pole than artificial heat had ever been before.

When Prince Luigi of Italy recently ascended Mount St. Elias, it was the Primus that he purchased for his expedition. Our stoves are also used by several thousand of the Klondike gold miners. On the other hand, the Primus has proven equally fitted to temperate and tropical conditions. More than one million are now in use, and this vast aggregate includes substantially every country in the world. It has become in fact a recognized staple in the export trade.

Such facts as these are too significant to require comment. They are explainable upon only one basis, and that is the basis of merit.

More than one million in use.

**Every Apparatus Guaranteed as Represented**

**PRIMUS LAMPS.**

HEAVY, POLISHED BRASS.

Code.....	Golinamo
Number .....	<b>1</b>
Capacity of reservoir, quart.....	1
Extreme height, inches.....	7¾
Height of tank, inches.....	3½
Diameter of base, inches .....	6¾
Each .....	<b>\$3.85</b>
Weight per case, lbs.....	31
Shipping measurement per case, cubic feet.....	1½
Six in a case.	

**PRIMUS, WITH NON-DETACHABLE STANDARD.**HEAVY, POLISHED BRASS LAMP. STEEL STANDARDS.  
CAST IRON GRATE.

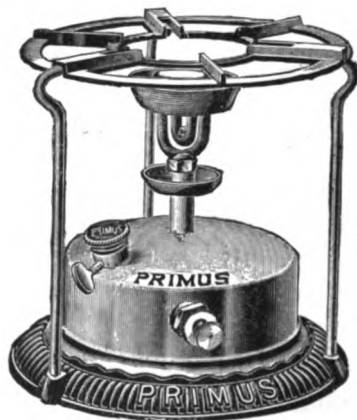
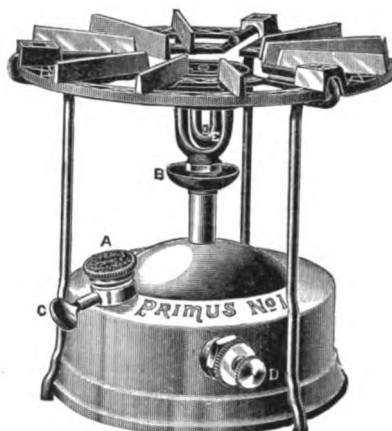
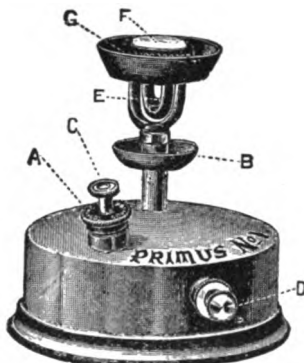
Code.....	Golinasse
Number .....	<b>103</b>
Capacity of reservoir, quart.....	1
Extreme height, inches.....	8¼
Diameter of top, inches.....	9
Diameter of base, inches .....	7½
Each .....	<b>\$4.00</b>
Weight per case, lbs.....	42
Shipping measurement per case, cubic feet.....	3½
Six in a case.	

**PRIMUS, WITH DETACHABLE STANDARD.**HEAVY, POLISHED BRASS LAMP. STEEL STANDARDS.  
CAST IRON BOTTOM AND GRATE.

Code.....	Golinear
Number .....	<b>101</b>
Capacity of reservoir, quart.....	1
Extreme height, inches.....	9½
Diameter of top, inches.....	9
Diameter of base, inches .....	9¼
Each .....	<b>\$4.50</b>
Weight per case, lbs.....	77
Shipping measurement per case, cubic feet.....	3½
Six in a case.	

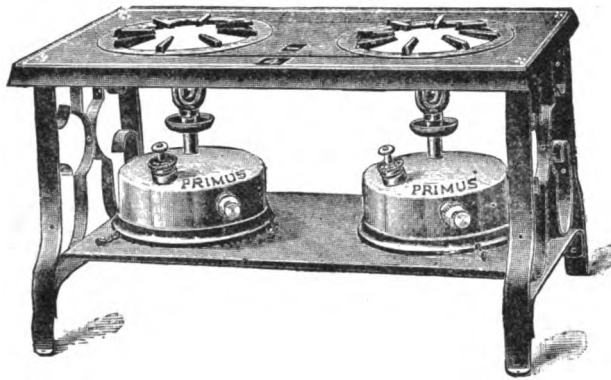
**Beware of Cheap Imitations.****PRIMUS STANDARD FRAMES.**STEEL UPRIGHTS SCREWED TO CAST IRON  
BASE. CAST IRON GRATE.

Code .....	Golitin
Number .....	<b>105</b>
Extreme height, inches .....	9¼
Diameter of top, inches.....	9
Diameter of base, inches.....	9¼
Each.....	<b>\$0.75</b>
Weight each, lbs.....	9
One in a box.	



**PRIMUS RANGES.**

TWO NO. 1 LAMPS. CAN BE USED WITH OVEN. SHEET STEEL TOP.

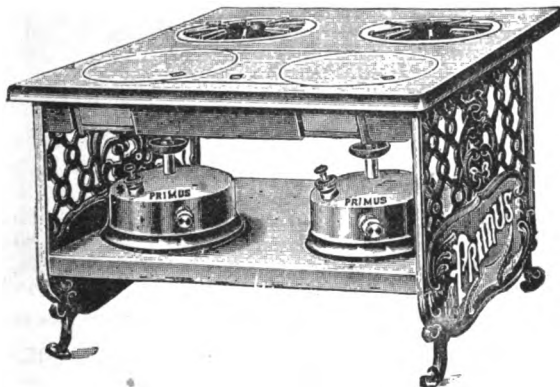


Code.....	Golivard	Gollandis
Numbers.....	<b>450</b>	<b>452</b>
Height, inches.....	14	14
Top, inches.....	22x16	22x16
Style of frame.....	Japanned	Galvanized
Each.....	\$10.00	12.00
Weight each, crated, lbs.....	35	35
Shipping measurement each, cu. ft.....	3 $\frac{7}{12}$	3 $\frac{7}{12}$

One in a crate.

**PRIMUS FOUR-HOLE RANGES.**

TWO NO. 1 LAMPS. DOUBLE BOX TOPS. AMPLE FOR ALL PURPOSES.



Cut shows style Nos. 303, 304.

Code.....	Gollettin	Golliment	Gollizion
Numbers.....	<b>303</b>	<b>304</b>	<b>305</b>
Height, inches.....	14 $\frac{1}{2}$	14 $\frac{1}{2}$	16 $\frac{3}{4}$
Top, inches.....	21 $\frac{1}{2}$ x21 $\frac{1}{2}$	21 $\frac{1}{2}$ x21 $\frac{1}{2}$	23 $\frac{1}{2}$ x23 $\frac{1}{2}$
Style of frame.....	{ Japanned and Ornamented	Galvanized, No Rails	Galvanized, with Brass Rails
Each.....	\$13.50	15.50	16.50
Weight each, lbs.....	85	85	90
Shipping measurement each, cu. ft.....	4 $\frac{5}{8}$	4 $\frac{5}{8}$	4 $\frac{5}{8}$

One in a crate.

**Every Apparatus Guaranteed as Represented.**

**PRIMUS FOUR-HOLE RANGES, HIGH.**

THIS STYLE DIFFERS FROM No. 303 ONLY IN HAVING A HIGHER FRAME.



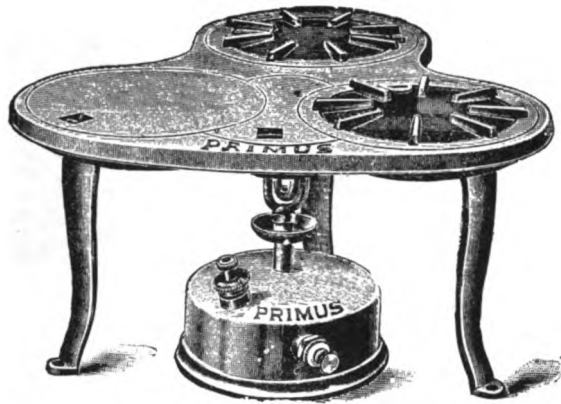
Cut shows style No. 302.

Code .....	Gollonade	Golomanzi	Golwasse
Numbers.....	8	801	802
Height, inches.....	28 1/2	28 1/2	31
Top, inches .....	21 1/2 x 21 1/2	21 1/2 x 21 1/2	23 1/2 x 23 1/2
Style of frame.....	Japanned and Ornamented	Galvanized	Galvanized with Removable Brass Rail
Each.....	\$15.00	17.00	18.00
Weight each crated, lbs.....	110	110	120
Shipping measurement each crated, cubic feet.....	9 2/3	9 2/3	9 2/3
One in a crate.			



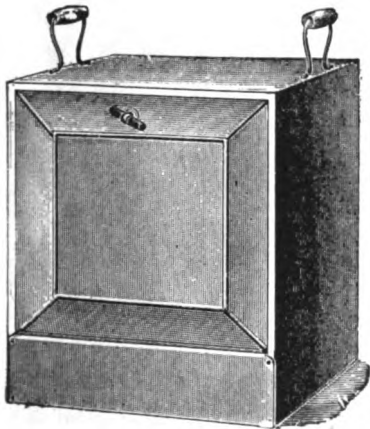
**PRIMUS EXTENSION TOPS.**

TO BE USED WITH ONE No. 1 LAMP. CAST IRON.



Code.....	Golwerke	Golzbug
Numbers.....	<b>51</b>	<b>155</b>
Height, inches.....	9	9
Top, inches.....	17x17	17x17
Style.....	Black	Galvanized
Each.....	\$3.50	4.25
Weight each, lbs.....	22	22

Prices do not include Lamp.

**PRIMUS OVENS.**PLANISHED STEEL. DOUBLE WALLS. WIRE GRATE.  
WIRE HANDLES. AIR-TIGHT CHAMBER.

Code.....	Golzoner
Number, for one hole.....	<b>190</b>
Height, inches.....	13
Width, inches.....	12
Depth, inches.....	12
Each.....	\$2.50
Weight each crated, lbs.....	20
Shipping measurement each, cubic feet.....	1 1/3

One in a crate.

**PRIMUS FLAT IRON HEATERS.**

CAST IRON. WITH BAIL.

Will accommodate two laundry flat irons of any size.  
Also Mrs. Potts' Irons.

Code.....	Gombache
Number.....	<b>60</b>
Height, inches.....	3
Base, inches.....	10x10
Each.....	\$0.75
Weight per case, lbs.....	45
Shipping measurement per case, cubic feet.....	1 1/3

Six in a case.

PRIMUS BROILERS.

CAST IRON. TIN COVER.

Consists of two parts. Grate surface of upper part, on which meat rests, is directly over the opening in the lower part; thus the flame is unable to come in contact with the meat. The escaping juices collect in the rim of the lower part.

Code.....	Gombardo
Number.....	65
Height, inches.....	3½
Diameter, inches.....	9½
Each.....	\$1.00
Weight per case, lbs.....	40
Shipping measurement per case, cubic feet.....	½
Six in a case.	



PRIMUS BRAZIERS' TORCHES.

POLISHED BRASS. FOR BURNING COAL OIL.

The most powerful Torches made, producing an intense steady heat of 2600 degrees F. Capable of melting copper wire 5/16 of an inch thick in the open flame. Consumes 1/5 quart of oil per hour. Will burn in any position.

Code.....	Gombastic	Gombica
Numbers.....	70	71
Capacity, pints.....	1	2
Diameter, inches.....	3¾	4¾
Height, inches.....	9¾	9¾
Extreme bottom, inches.....	8¾	9
Each.....	\$4.50	5.50
Weight per case, lbs.....	27	30
Shipping measurement per case, cu. ft	1¼	1¾
Six in a case.		



PRIMUS PAINTERS' TORCHES.

POLISHED BRASS. FOR BURNING COAL OIL.

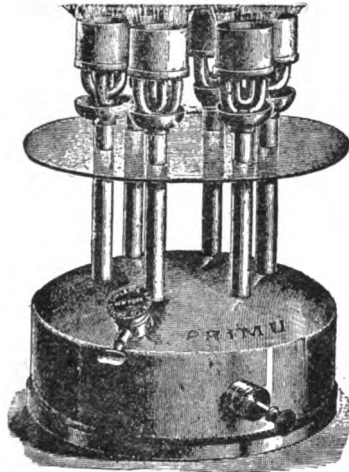
Will stand wind. Will produce heat of 2100 degrees F. Will consume 1/5 quart of oil per hour. Will burn in any position.

Code.....	Gombilate	Gombilon
Numbers.....	40	41
Capacity, pints.....	1	2
Diameter, inches.....	3¾	4¾
Height, inches.....	8¾	9¾
Extreme bottom, inches.....	8¾	9
Each.....	\$4.50	5.50
Weight per case, lbs.....	27	30
Shipping measurement per case, cubic ft.	1¼	1¾
Six in a case.		



**PRIMUS GIANT HEATERS.**

WITH NO. 252 BURNERS.



CUT SHOWS No. 33

For any use requiring intense heat production in a limited space, this apparatus is particularly available. It is now being successfully used for a large variety of purposes, among which may be mentioned: The operation of oil and hot-air engines; heating branding irons; melting lead; heating steam tables; boiling large quantities of liquids; heating hot water urns; in the dental profession for melting gold, vulcanizing rubber, and heating or boiling wax; in the medical profession for operating "Formaldehyde" gas generators; in hospitals for sterilizing and other purposes; and by some of the leading New York newspapers for "Linotype" machines.

It is powerful, compact, odorless and safe.

The Giant Heater is made regularly in 1, 2, 3, 4, 6 and 8 burners, and will be made of larger size with any desired number of burners upon special order.

It can be fitted as desired with "Original Primus," or "Noiseless" burners, either of which gives a broad, flaring flame—or with "Industrial" burner, which gives a long, upright flame.

Code .....	Gomgate	Gomilcare	Gompress	Gonament	Gondade
Numbers .....	<b>7</b>	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>
Number of burners.....	2	3	4	6	8
Capacity, quarts.....	1½	3	4	5	5
Height, inches .....	9¾	12¾	12¼	12¾	12¾
Height of reservoir, inches.....	3¾	5½	5½	5½	5½
Diameter of base, inches.....	6¾	7¾	8½	9¾	9¾
Diameter of burner group, inches.....	3¾	5¾	6¾	6¾	6¾
Each.....	\$5.50	10.50	12.00	15.00	18.00
Weight per case, lbs.....	8	11½	13	15	15½
Shipping measurement per case, cubic feet .....	5½	¾	¾	1	1

One in a case.

## PRIMUS PLUMBERS' COMBINATION FURNACES.

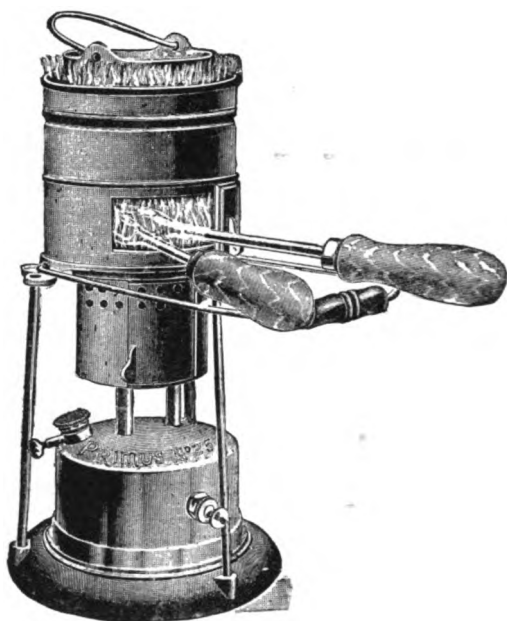
TWO BURNERS. CAST IRON BASE. SHEET STEEL HOOD.

Can be used in open air, having a wind Guard which perfectly protects the flame. Will melt and heat irons at the same time. Hood is detachable. The Lamp may be removed from the frame for separate use. With 6-inch Pot.

One and one-half quarts of oil will operate both burners for three hours.

Code.....	Gondager
Number.....	25
Capacity, quarts.....	1½
Height, inches.....	19½
Base, inches.....	9
Each.....	\$6.50
Weight per crate, lbs.....	20
Shipping measurement per crate, cubic feet.....	1½

One in a crate.



## PRIMUS SOLDERING FURNACES.

TWO BURNERS CAST IRON HOOD. CAST IRON BASE.  
FOR INDOOR USE.

Double Hood is open clear through, thereby permitting the introduction of a 2-inch pipe of any length. The Single Hood Furnace has small opening at top with a cover, to permit use of metal Pot.

Code.....	Gondirast	Gondkiste
Numbers.....	11	11
Style of hood.....	Single	Double
Capacity, quarts.....	1½	1½
Height, inches.....	16	16
Base, inches.....	9	9
Each.....	\$10.00	10.50
Weight per crate, lbs.....	20	22
Shipping measurement per crate, cu. ft.....	1½	1½

One in a crate.



**REPAIRS FOR PRIMUS APPARATUS.**

	Each
Burners, Noisy .....	\$1.50
" Noiseless.....	1.50
" for No. 6 Furnaces.....	1.50
" " Paint Torch.....	1.75
" " Braziers' Torch.....	2.00
" with 6-inch Spreader.....	3.50
Caps, Filler .....	.20
" Burner, Noiseless.....	.30
" Pump .....	.30
Circles, Half, for No. 51 Extension Top.....	.20
Collars, Pump.....	.15
Grates, Gilded, for Nos. 101 and 105 Stoves.....	.50
" for No. 51 Extension Top.....	.30
Hoods, Single, for Soldering Furnace, with Frame.....	1.50
" Double, " " " " .....	2.50
Knobs, Pump.....	.50
Legs, per set for No. 303 Stove.....	3.00
" " " 402 " .....	2.00
Needles, Cleaning, N. P.....	.10
" Air Valve .....	.20
Nipples, Burner, Noiseless .....	.20
" " No. 6 Furnace.....	.20
" " Torch.....	.20
Pumps, complete for No. 103 Stove.....	1.50
" Furnace.....	2.00
Packing, Cork, Filler Cap.....	.02
" Pump .....	.02
Piston Rod for Pump .....	.35
Rings, Burner, Old Style.....	.20
" Round, Furnace .....	.20
" Oval .....	.20
Springs, Pump, for End Valves.....	.10
" " " Inside Valves.....	.10
Tops, Main, with Lids, for No. 3 Range.....	5.00
" " for No. 450 Range .....	3.50
Tubes, Feeder, with Valve.....	.65
Washers, Asbestos .....	.02
Wrenches, Spiral, for Noisy Burners.....	.60
" Straight, for Noiseless Burners.....	.30
" Torch .....	.50
Wire for Cleaning Needles, per pound .....	10.00
Charge for blowing out and cleaning Burners.....	.70

## THE "NEW PROCESS" VAPOR STOVE.

### THE ORIGINAL EVAPORATING STOVE.

It is with the feeling of great assurance and satisfaction that we offer to the trade the "New Process" Vapor Stove shown on pages following. It is the original evaporating stove that has revolutionized the gasoline stove business.

For more than a decade it has demonstrated its superiority over every other stove in safety, simplicity and economy of operation, and has won for itself a place in the hearts and homes of many thousands of housewives, whose burdens have been made lighter and lives happier by its use.

It lights like gas! A feature that makes it popular, as without heat, smoke or delay the stove can be instantly started in operation. Turn the valve wheel and apply the match; the stove is ready for work. Could anything be more simple? No carrying in coal or wood; no smoke, soot or dirt; no ashes to carry out; the ceiling of the kitchen is not covered with black smoke and soot where the "New Process" Gasoline Stove is used.

The tank, or gasoline reservoir, is not connected to the stove and can be easily lifted from it and carried to an outer room for filling or cleaning, thus insuring safety.

In operation the fluid drips drop by drop (never runs) on the perforated brass evaporator, where it is divided into fine particles, which, passing through the air, evaporate; the gas thus made, being heavier than air, passes down through the evaporator tubes, mixing with and carburetting a current of air, which is lighted at the burner, producing a smokeless blue flame of great intensity and heating power.

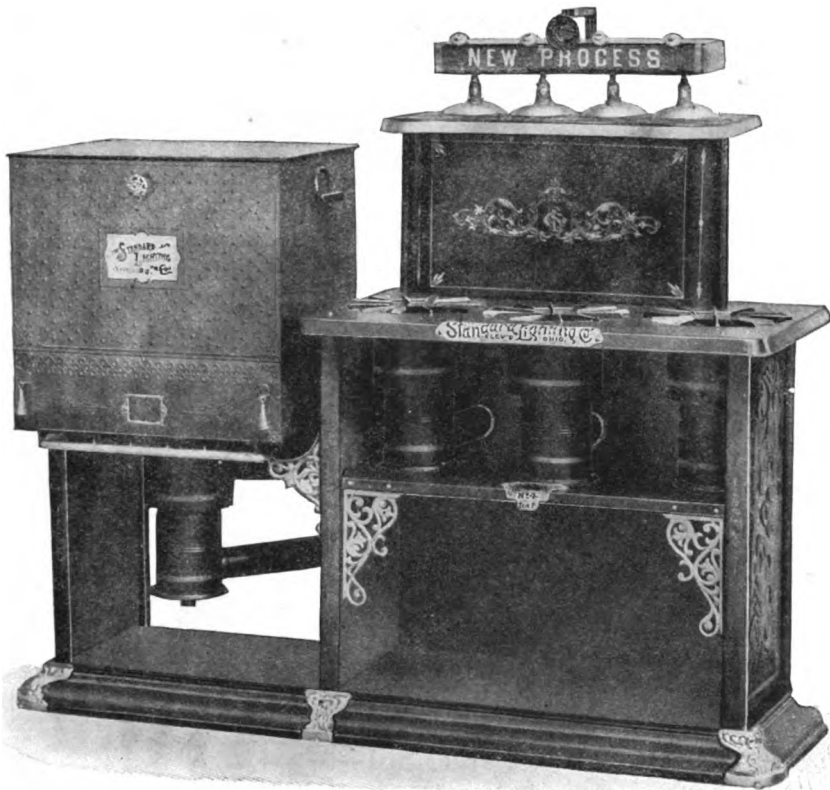
Thus it will be seen that the "New Process" is a veritable gas machine and a gas stove combined, entirely under the control of the user, who can increase or decrease the supply of fuel at will, securing the requisite amount of heat without waste; starting or stopping the fire according to requirement, thereby securing the greatest possible convenience, safety and economy of operation.

The "New Process" solves the problem of economical cooking in all country homes and suburban residences where gas for fuel cannot be obtained, giving to the user every advantage, convenience and comfort which the use of gas stoves and other modern appliances afford.

The general construction of all the stoves is thoroughly first-class. The design is new, attractive and well planned for convenience. The frames of all "New Process" Stoves are made in cabinet style and are strong and rigid. The tops are of ample width and provided with removable grates. The burner caps are removable. The sub-fire device is removable with the burner cap for inspection and cleaning, a point of great advantage. The stove is provided with a sight feed, so that the dropping of the gasoline can at all times be seen when the stove is in operation. The valves are provided with needles having non-corrosive points; the tank is provided with a float which automatically equalizes and regulates the flow of gasoline at all times, consequently the tank works as well with a small amount of gasoline in it as it does when full. Parts exposed to the fire are cast iron and imperishable. All parts are so constructed that they can easily be cleaned; the stoves are handsomely enameled and ornamented. All stoves are carefully tested before shipping.

**"NEW PROCESS" SEMI-CABINET STOVE.**

FOR GASOLINE.



Cut Shows Style, No. 4.

Cut shows the new encased sheet steel frame which, for convenience, strength and beauty, is unsurpassed. Oven is a perfect baker and roaster; can be pushed back upon a rest, as shown, leaving step free for other purposes. Oven is of the "New Process" pattern; is made of Russia iron and can be knocked down in compact form for shipment. Stove is mounted on casters. Is well suited to the requirements of a medium size family. All "New Process" Evaporating Stoves burn the vapor of gasoline. Absolutely safe. Reservoir can not be filled unless removed from the stove.

Code.....	Gondreet	Gondsake
Numbers .....	8	4
Number of burners.....	3	4
Capacity of oil tank, quarts.....	4	4
Top, inches.....	26x21	33x21
Height, inches.....	28 ½	28 ½
Step, inches.....	18x14 ½	18x14 ½
Oven, inches .....	19 ½x13 ¼x12	19 ½x13 ¼x12
Each.....	\$24.00	27.00
Weight crated, lbs.....	150	170
Shipping measurement crated, cubic feet.....	120	135

“NEW PROCESS” CABINET RANGE.

FOR GASOLINE.



This range is very compact, occupying but small floor space. It is mounted on casters. Has three burners besides the one under oven. Step burner can be used to heat a wash boiler, or for canning, preserving, broiling or other purposes. Oven door is hinged at the bottom and counterbalanced by a powerful coiled spring. Has a new improved oven and is a very successful baker.

Code.....	Gondslege
Number.....	8
Capacity of oil tank, quarts.....	4
Top, inches.....	25 1/4 x 21 3/4
Height, inches.....	35 1/4
Base, inches.....	25 x 20
Step, inches.....	19 1/4 x 11 1/4
Length, inches.....	36 1/4
Oven, inches.....	18 x 14 1/2 x 12 1/4
Each.....	\$30.00
Weight crated, lbs.....	200
Shipping measurement crated, cubic feet.....	.....



**“NEW PROCESS” CABINET RANGE.**

FOR GASOLINE.

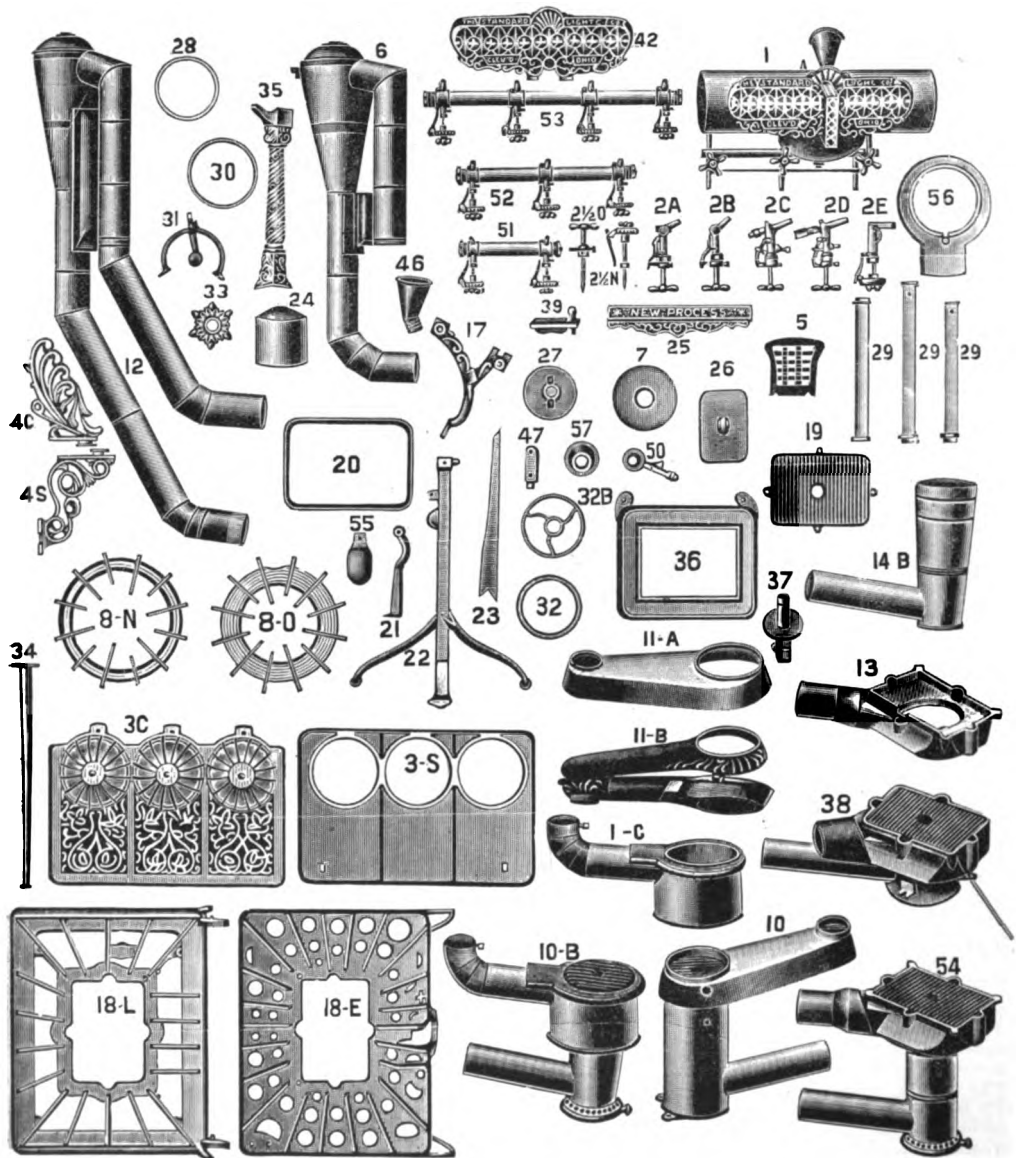


Same as No. 8, without the Step.

Code .....	Gonettile
Number .....	7
Capacity of oil tank, quarts.....	4
Top, inches .....	25 1/2 x 21 3/4
Height, inches.....	35 1/4
Base, inches.....	25 x 20
Length, inches.....	25 1/2
Oven, inches .....	18 x 14 1/2 x 12 1/4
Each .....	\$23.00
Weight crated, lbs.....	175
Shipping measurement crated cubic feet.....	.....

## REPAIRS FOR "NEW PROCESS" VAPOR STOVES.

SEE PRICE LIST ON PAGES 369 AND 370.



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## REPAIR PRICE LIST FOR "NEW PROCESS" VAPOR STOVES-Continued.

	Price.	Postage.
No. 11 A—Heat Collector only for 1890, '91, '92 .....	\$0.35	.....
Lower part of Heat Collector .....	.15	.....
Top part of Heat Collector .....	.30	.....
These Heat Collectors are alike and interchangeable for the top burners.		
No. 11 B—Heat Collector only for 1893, '94, '95, '96 stoves.....	.50	.....
Lower part of Heat Collector.....	.15	.....
Top part of Heat Collector.....	.40	.....
No. 11 C—Heat Collector only for 1897, '98, '99 stoves.....	.60	.....
This part is given on page 44 as No. 1 C.		
No. 11 D—Heat collector only (not shown in cuts of repairs), for 1900, '01 stoves.....	.60	.....
No. 12—Oven Drip and Hot Air Tube with Evaporator, complete.....	1.60	.....
Give No. stove and latest date of patent.		
No. 13—Oven Burner Casting (only) to which sawed cap is bolted.....	.50	.....
Give No. stove and latest date of patent.		
No. 14—Oven Burner Drum (only) made of terne plate (not shown in cut).....	.75	.....
No. 14 B—Oven Burner Drum (only) made of brass.....	1.75	.....
In ordering 14 or 14 B repairs, give No. stove and date of patent. Also describe part wanted.		
Note—If the Burner Drum only, less the Heat Collector, Cap and Center Tube, for Top Burner is wanted, use the repair No. 14, for Iron Drum and No. 14 B for Brass Drum say for Top Burner, and be sure to give date of stove.		
No. 16—Front brace for step (not shown in cut).....	.25	\$0.10
No. 17—Back Brace for step (see cut).....	.25	.12
No. 18 E—Oven Grate for 1893 and '94 stove.....	.85	.....
No. 18 L—Oven Grate for all later.....	.85	.....
No. 19—Oven Burner Cap (sawed).....	.35	.25
Be sure to give date of stove, as the caps are not interchangeable on stoves made in different years.		
Note—The least irregular opening at the top of a "New Process" burner will cause the flame to pop out. When this occurs with the Oven Burner, look carefully first for crack in sawed Burner Cap, as the least break will cause trouble. See if the cap is warped up, leaving an opening above center tube. See that the center tube is in the proper place. If the asbestos packing under the lower edge of the sawed cap is imperfect or out of place the same trouble will be experienced. A new burner cap and packing is the remedy.		
No. 20—Oven Burner Ring for 1893-94 stoves.....	.15	.11
No. 21—Weight Arm for Oven Burner Ring (right or left) for 1893 or '94 stoves .....	.15	.03
No. 22—Oven Rest or Track for 1893-94 stoves.....	.50	.....
No. 23—Oven Rest or Track, made of steel, for 1895, '96, '97, '98, '99, 1900 or '01 stoves, each.....	.20	.05
No. 24—Brass Evaporators.....	.40	.04
No. 25—Name Plate.....	.20	.10
No. 26—Oven Flame Reducing Caps.....	.15	.06
No. 27—Top Flame Reducing Caps.....	.15	.06
No. 28—Glass Domes for Evaporating Tubes, 1893 or '94, 5 $\frac{1}{16}$ -inch diameter.....	.15	.12
Give date of patent and diameter dome.		
No. 28—Glass Domes for Evaporating Tubes, 1895, '96, '97, '98 and '99; 4 $\frac{1}{8}$ -inch diameter (This with cast ring will fit any stove).....	.15	.09
Give latest patent and diameter dome.		
No. 29—Center Tubes for Burner Drums.....	.20	.06
Give length of tube and if for top or step burner.		
Describe fully and give date of stove. In giving length of center tube it is best to give measurement of old tube, as sometimes the sawed cap becomes warped up so that the exact length of center tube cannot be secured from the burner. This is especially true of the oven burner.		
No. 30—Protector Ring for Top of Burner, 1893 or '94 stoves.....	.10	.05

Repair List continued on next page.

## REPAIR PRICE LIST FOR "NEW PROCESS" VAPOR STOVES—Continued.

	Price.	Postage.
Abestos Sheets for Oven Bottom.....	\$0.20	\$0.05
No. <b>31</b> —Evaporator Horse Shoe. Describe fully and give latest date on stove.....	.15	.07
No. <b>32</b> —Cone Seat Ring. (Say whether for top or step burner).....	.15	.04
No. <b>32 B</b> —Cone Seat Ring, 1893 and later stoves.....	.15	.04
No. <b>33</b> —Dome Nut.....	.10	.02
No. <b>34</b> —Leg for 1892 Flue Extension.....	.20	.16
No. <b>35</b> —Columns for Top Shelf (nickel).....	.35	.17
See No. on castings and give date of stove. Shelf Columns of different styles have been made for 1896 and later stoves. In ordering it is necessary to give the repair number and also the date of stove or serial letter which is found on the number plate.		
No. <b>36</b> —Cast Flue Extension, 1892 stove.....	.30	.....
No. <b>37</b> —Sub-Burner and Center Tube for No. 8 Cabinet Oven Burner.....	.25	.10
No. <b>38</b> —Cabinet Range Oven Burner, complete.....	2.75	.....
No. <b>39</b> —Oven Door Hinge, 1893 (right or left).....	.15	.02
No. <b>40</b> —Oven Racks (sheet steel or wire not shown).....	.30	.....
No. <b>41</b> —Patent Plate (not shown).....	.15	.06
No. <b>42</b> —Tank Plate.....	.35	.....
No. <b>43</b> —Tank Plate Handle (not shown).....	.20	.06
No. <b>44</b> —Cast Flue (1892 stove not shown).....	.50	.....
No. <b>45</b> —Tin Elbows (not shown).....	.25	.05
No. <b>46</b> —N. P. Tank Funnel.....	.20	.03
No. <b>47</b> —End Shelf Hook.....	.10	.02
No. <b>48</b> —Sub-Burner, complete (not shown).....	.35	.07
This number is given for the sub-burner used on the 1895 and 1896 stoves. On the later stoves the sub-burner casting is attached to the Center Tube and Top Sawed Cap, all of which go together.		
No. <b>49</b> —Sub-Burner Cap (not shown separately).....	.15	.02
No. <b>50</b> —Sub-Burner Flip.....	.20	.03
The cut No. 50 shows the flip for 1895 and 1896 sub-burner. The flip for later stoves may be ordered by using the repair No. 50 and giving the date of stove.		
Oven Top.....	1.00	.....
Oven Back.....	1.25	.....
Oven End, each.....	1.00	.....
Oven Door.....	1.00	.....
Oven Door, front and bottom.....	1.25	.....
No. <b>51</b> —Valves and Pipe for No. 1 Tank, 1897, '98, '99, 1900 and 1901.....	1.50	.....
No. <b>52</b> —Valves and Pipe for Nos. 2 and 3 Tank, 1897, '98, '99, 1900 and 1901.....	2.00	.....
No. <b>53</b> —Valves and Pipe for Nos. 4 and 8 Tank, 1897, '98, '99, 1900 and 1901.....	2.75	.....
The sets of valves, complete, given as Nos. 51, 52 and 53 are easily put on to the tank and can be ordered for tanks made in years mentioned. For tanks made previously, better to order valves separately rather than complete with supply pipe.		
No. <b>54</b> —Step Burner, complete. (Always give date of patent on stove).....	2.50	.....
No. <b>55</b> —Weight for Oven Ring, 1893 and '94.....	.15	.....
No. <b>56</b> —Top Casting of Heat Collector, 1897, '98 and '99.....	.20	.13
No. <b>57</b> —Sub-Burner for 1896 stove only.....	.20	.06
No. <b>58</b> —Corner Foot with Caster for "New Process" frame.....	.35	.16
This part is not shown in cut, but is used on the 1899, 1900 and 1901 stoves. In ordering, state for which corner it is wanted.		
No. <b>59</b> —Center Foot with Caster for "New Process" frame.....	.25	.10
No. <b>60</b> —Middle Bracket Brace, nickel-plated for "New Process" box frame (not shown in cut). (Say whether for right or left side).....	.25	.10

## THE KINWOOD GASOLINE STOVES.

Patented November 23, 1897, others pending.

### GASOLINE AND GASOLINE STOVE ACCIDENTS. A FEW FACTS.

Gasoline, when confined within proper bounds, is as safe as water. Gasoline, when exposed to air, throws off a **heavy** vapor which is very inflammable.

A very small quantity of gasoline, under certain conditions, is more dangerous than a large quantity.

A sufficient quantity of **heavy vapor** will escape from a small quantity of gasoline, when exposed to air, to produce what is ordinarily termed a Gasoline Stove Explosion, notwithstanding the liquid be wiped up shortly after it has escaped.

Gasoline can only escape from defective joints, overflowing drip cups or from burners which are accidentally or carelessly blown out or left open.

Gasoline Stove Explosions are not such in fact. They are fires resulting from the ignition of heavy vapor from gasoline which has escaped from the stove.

To ignorance on part of users as to the dangerous properties of gasoline may be traced a large percentage of accidents.

No one should use a gasoline stove which is not fitted with safety attachments.

**The Kinwood Stove is safe.** The overflow attachment prevents escape from burners. The Liquid Conveyor **measures** the proper quantity of gasoline to generate a burner, thus doing away with overflowing drip cups.

Read description on following pages.

## DESCRIPTION OF THE "KINWOOD" GASOLINE STOVE.

In designing the Kinwood Gasoline Stove we have taken into consideration the necessary features that should be embodied in a stove to produce best results in a safe, simple and substantial manner.

**The Burner.** The burner used on the Kinwood Stove is without a question as powerful, at the same time as simple and substantial as any burner made. There are no channels to become clogged up and no plugs to leak. We do away with deflector and sub-flame tubes. Generation is maintained by direct flame from a section of the burner cap, GS-3, against the raised portion "B" on boiler head. See cut page 364.

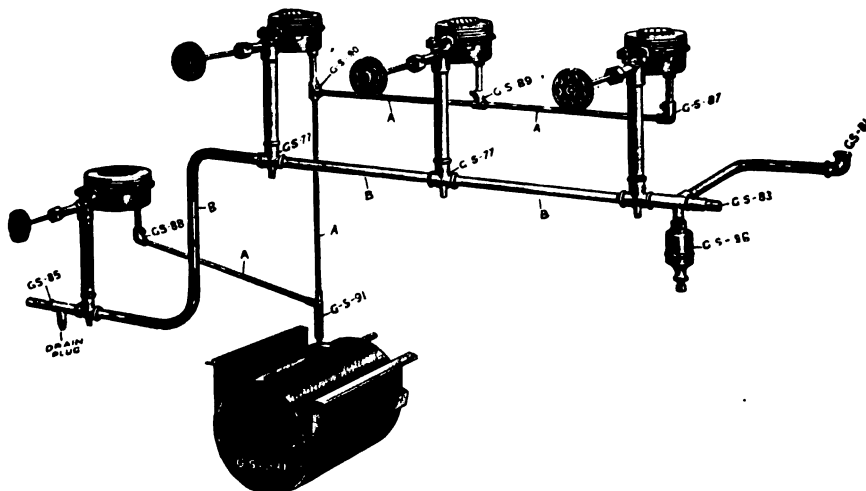
**Packing Nuts.** See cut and directions for repacking a burner, page 359.

**Blue Flame Lighter.** See cut of burner, page 364. Soot is the one great bugbear which all users of gasoline stoves have to contend with. It is a non-conductor of heat and if allowed to accumulate on the burner parts it is next to impossible to generate "heat" a burner sufficiently.

Our lighter produces a clear, blue flame, practically free from smoke and soot. It is made in two parts, the lower piece, GS-16, can be lowered to permit of cleaning.

With the lighting device used there is no soot to clean off of burners. There can be no accumulation of soot with this lighter.

**Gasoline Conveyor.** See cuts page 365. To prevent chance of overflowing drip cups the conveyor GS-328 is used, which measures requisite quantity of gasoline to properly generate a burner. The conveyor is placed in tube attached to supply tank GS-326. It is impossible to overflow the lighter cups GS-16 where the conveyor is used.



## DESCRIPTION OF THE "KINWOOD" GASOLINE STOVE—CONTINUED.

**The Safety Attachment.** The accompanying cut will give a fair idea of the safety attachment as applied to the Kinwood Stoves, except that in the new style stoves the overflow tank will be placed behind or on backs of stoves.

By referring to cuts of stoves herein illustrated you will notice general appearance of stoves when set up complete.

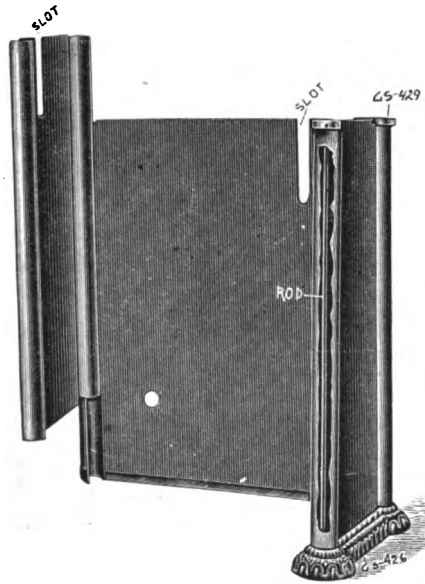
The overflow tank, GS-331, which is of capacity somewhat greater than the filling can, GS-376, is placed on back of stove. Connected with the mixing bowls, GS-1 and 2, are brass tubes, AAA, which lead to the overflow tank, GS-331. In the event of the accidental opening of a burner, the gasoline will pass into the mixing bowl, thence through brass drain tubes to overflow tank, GS-331, where it is as harmless as in the main supply tank.

**Accidents Averted.** Assume there are two or more burners burning side by side. If one is blown out, what happens? With the ordinary stove a gasoline fire or so-called explosion will result.

With the "Kinwood," having safety attachment, no serious damage can result. The gas escaping from the open burner may ignite from other burners, but in that case the burner will continue to burn just as it did before being extinguished.

If, however, the gas should not ignite, as the extinguished burner cools off, gasoline instead of gas will escape into the mixing bowls and thence through the brass tubes, AAA, to overflow tank, GS-331. With the ordinary stove, the entire contents of supply tank would escape into the room with frightful attending results. Gasoline in the overflow tank is as safe as in the supply tank.

**Separator.** The "Kinwood" Separator, GS-96 (see cuts page 365), is applied to all our high-grade stoves. It separates dirt and water from the gasoline, allowing nothing but pure, clean fluid to reach the burners. Very important.



**Knock-Down Frame.** We would call attention to the frame used on our "Kinwood" stoves. It is so constructed that it can be taken apart or put together in a very few moments. The corners of the panels are made tubular in shape so that they can be slipped one within the other. Stove rods are passed through all corners and by means of them the frame is held firmly in position before the main top is put on. The castings, GS-429, at the top of each leg corner are made with two bolt openings, one being recessed to take the nut of stove rod, the other to receive the bolts which hold the main top in place (see cut). It is only necessary to take out four bolts to remove the top, when ready access is had to the burners. The panels are slotted in order that the pipes with burners may be dropped down through top of frame into proper position, and when in position are locked permanently by the set screws in the plates. The burners with all pipes can be removed from the frame in short order.

Taking all points into consideration, we believe the "Kinwood" will come as near meeting the demands for a first-class stove in every particular as any yet offered. It will do the work as economically and as satisfactorily. There is little or no chance for it to get out of order and if ordinary care is taken it will last for years.

## THE "KINWOOD."

READ CAREFULLY.

There are a few points we desire to impress upon the minds of our dealers and will ask that they insist upon their salesmen being fully posted as well. Then they will find it a pleasure to handle Gasoline Stoves and not be hampered to death by users. Each "Kinwood" Stove sold will sell others when the user has the following information thoroughly impressed upon his mind. Don't be satisfied with simply making a sale. **Post the user** so that he can take care of his stove for all time to come.

**Water.** There is more or less water found in **all gasoline**. Gasoline is sometimes watered by unscrupulous dealers. Then again the gasoline supply tank is frequently left **exposed to rain**. Don't expect our stove or any other to burn water.

By means of the "**KINWOOD**" **Separator, GS-96**, we take care of any ordinary quantity of water, provided the separator is drained occasionally. See directions for operating, page 375.

Where a large supply tank is used, it is best to draw the gasoline from the top if possible. **Water is heavier than gasoline and will always be found on the bottom of vessel.**

Water also collects all dirt and sediment. The smallest quantity of water in the pipes of a gasoline stove will collect dirt and sediment and carry it to the small openings and in a short time effectually clog them up. Then the complaint and disputed repair bill follows.

**Water Test.** Take an ordinary two-quart fruit jar and fill it with gasoline, if possible, use the liquid in bottom of vessel containing the supply. Ordinarily you can detect the difference in color. If not, a drop or two of ink placed in the liquid will answer. It will color the water, but have no effect on the gasoline. If a customer complains of not being able to light the burners on a stove, have them drain it thoroughly, then try it. See directions, page 375.

**Pipe Joints.** It is absolutely necessary that all joints be perfectly tight. In the event of a leak at a pipe joint, **soap the thread** then screw tightly into fitting. Ordinary **common rosin soap** is best suited for the purpose. Don't use lead, it will do no good.

**Packing Nuts.** The cut on page 375 shows the packing nut used on our stoves. Every care is used in packing burners to prevent leaks at packing nuts. However, the packing is green when first put in and after using the burners awhile, **the packing dries out** and there is chance for leak. Instruct users to **screw up the packing nuts occasionally**. A wrench for the purpose is supplied with each stove. See directions for repacking a burner, page 375.

**Caution.** In turning off a burner to extinguish the flame **don't force the needle valve too tight**, simply enough to put out the fire. **When heated**, the metal in burner head is expanded and as it cools off, it contracts around the needle point, and **if forced the needle will stick** and be very hard to open. Then again, if needle is forced into the hot metal there is **danger of enlarging the needle orifice** or gas outlet, producing a smoky burner, which can only be remedied by putting on a new **GS-5 Burner Head**. See descriptions for filing a burner, page 380.

**The Oven.** Many a good stove is condemned on account of an inferior oven. An oven, to produce desired results, should be properly lined and ventilated. There are ovens on the market which are absolutely worthless. Before buying ovens it would be well to test a sample.

**General Construction.** The material used in the "**Kinwood**" **Stoves** is the very best. In no case have we endeavored to cut down the quality or weight of material to reduce cost of production. In every case we have used material best suited for the purpose intended, taking into consideration the life of the stove. **For Example**—The bottom of Supply Tank, GS-326, the lower section of conveyor tube, GS-350, and ends and bottom section of overflow tanks are made of sheet brass instead of tin, to prevent their rusting out.

**Pipe Joints.** There are fewer pipe joints in the "**Kinwood**" **Stove** than in any other, a feature in itself which should commend this stove to dealers and users.

**Length of Service.** We confidently believe that the "**Kinwood**" **Stove** will give as long and as good service as any stove made and at as little cost for repairs. The stove is so simple and substantial that the user will have no trouble in keeping it in good order with ordinary care.



## DIRECTIONS FOR OPERATING THE KINWOOD GASOLINE STOVES.

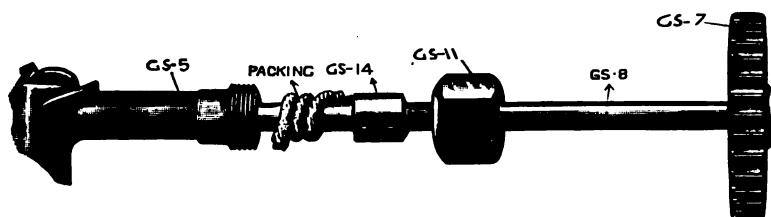
NOTE.—REFERENCE IS MADE TO CUTS SHOWN ON PAGES 380 AND 381.

Use best grade Stove Gasoline free from water.

**To Fill.** Take out the Reservoir GS-376, turn it up-side down—unscrew valve GS-379 and fill, then replace the valve, screwing it down tight, and return Reservoir to its place in Supply Tank GS-326. The valve pin coming in contact with flange casting GS-329 in bottom of tank opens the valve, and gasoline passes down into the pipes. Never fill the can where there is a fire of any kind. See cuts of Gasoline Reservoir and Supply Tank, page 381.

Never pour Gasoline into tank GS-326, and keep tank cover GS-346 closed tight.

**To Light.** Press the conveyor GS-328 downward a few seconds to open the valve and allow it to fill with Gasoline. (It holds the necessary quantity of Gasoline to properly generate i. e., "heat a burner"). Remove the conveyor and apply it to raised point "G" on burner head through circular opening in grate. Press it downward; this opens the valve and allows the Gasoline to pass down into lighter cup GS-16; then return conveyor to tube on tank. Apply a match through circular opening in grate, when Gasoline will ignite in the lighter, producing in a few moments a blue gas flame. After burning about two minutes open the needle valve GS-8 and fire will ignite at burner cap. Don't open needle valve until the burner is thoroughly heated. A blue flame at burner cap indicates proper generation, a yellow flame that burner is not hot enough.



**To Repack a Burner.** See cut. Unscrew nut GS-11 and slip it back on needle valve GS-8, then draw out bushing GS-14 and slip it back on needle valve. Wrap asbestos packing around the needle valve "three or four wraps" and force it into recessed opening in burner head GS-5. Then screw nut GS-11 back tight on burner head, driving bushing GS-14 ahead of it. If only a small leak at packing nut tighten with wrench.

**The Kinwood Separator.** GS-96 is applied to all high grade stoves. With it there is no chance for dirt or water to reach the burners, provided it is drained occasionally—"Once or twice a month."

**To Drain and Clean.** First remove Gasoline Reservoir GS-376 from Supply Tank GS-326. Place a vessel under Separator GS-96, unscrew plug GS-910 "one or two turns," when water, dirt and Gasoline will pass out into the vessel. The pure Gasoline will remain on top and can be poured back into the Reservoir and used. If the Separator should become clogged up with dirt unscrew it from fitting GS-83 and take plug GS-910 clear out, when you can readily clean by running a wire clear through the Separator. See cuts of Separator, page 381.

For additional opportunity to drain the string a drain plug is inserted in fittings GS-85. See cut of string, page 372. It is unnecessary to drain at this point so long as the burners work perfectly. When desired to thoroughly clean out the pipes it would be wise to run a gallon or more Gasoline through them, draining at plug in fitting GS-85.

**The Overflow Tank.** GS-331 is of capacity somewhat greater than the supply can GS-376 and will hold all Gasoline which is contained in the can and pipes as well. In the event of a burner being burnt out, or if it is accidentally or carelessly opened, the escaping Gasoline will find its way to the overflow tank.

In order that the overflow tank be in proper condition to take care of the overflow it should be empty at all times. It is not intended that there should be Gasoline in this tank.

“KINWOOD” STOVES.

FOR GASOLINE.



Cut shows style No. 100A.

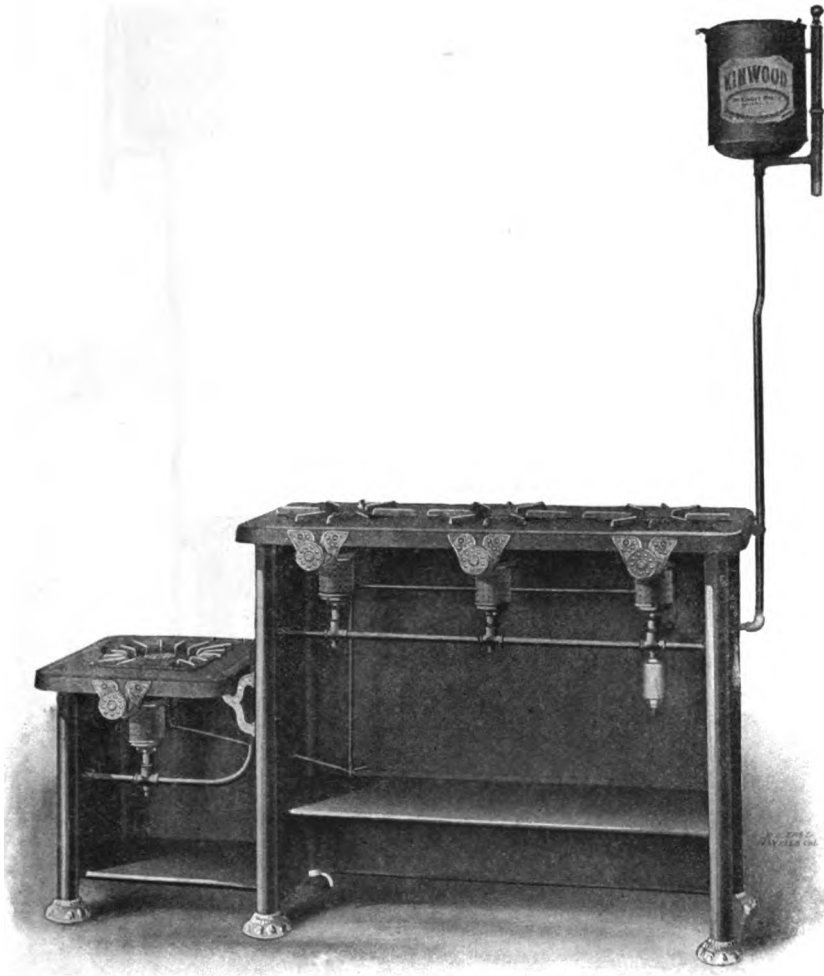
With Back Shelf, Step, Safety Attachment and Lift-out Tanks. Handsomely Japanned. 3-inch burners on top, 4-inch oven burner on step.

Code .....	Gongardi	Gonificat
Numbers.....	<b>100A</b>	<b>105A</b>
Number of burners.....	3	4
Capacity of oil tank, quarts.....	4	4
Main top, inches.....	24 3/8x18	35x18
Height top of stove to floor, inches.....	27	27
Each.....	\$17.00	19.00
Weight each crated, lbs.....	93	113
Shipping measurement each, cubic feet.....	15 1/4	19 1/4

One in a crate.

**"KINWOOD" STOVES.**

FOR GASOLINE.



Cut shows style No. 115B.

With Step, Safety Attachments and Lift-out Tanks. Handsomely Japanned. 3-inch burners on top,  
4-inch oven burner on step.

Code .....	Goniloqus	Gonitale
Numbers.....	<b>110B</b>	<b>115B</b>
Number of burners.....	3	4
Capacity of oil tank, quarts.....	4	4
Main top, inches.....	22½x16	33x16
Height top of stove to floor, inches.....	27	27
Each.....	\$14.00	16.00
Weight each crated, lbs.....	60	70
Shipping measurement each, cubic feet.....	15¼	19½

One in a crate.

“KINWOOD” STOVES.

FOR GASOLINE.

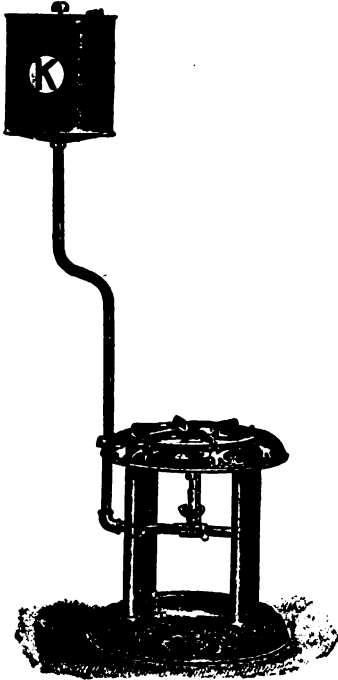


Cut shows Style No. 125C.

With Safety Attachment and Lift-Out Tanks. Handsomely Japanned. 3-inch Burners.

Code.....	Gonitome	Gonland
Numbers.....	120 C	125 C
Number of burners.....	2	3
Capacity of oil tanks, quarts.....	4	4
Top, inches.....	22 1/2 x 16	33 x 16
Height, floor to top of stove, inches.....	24	24
Each .....	\$10.00	12.00
Weight each, crated, lbs.....	35	40
Shipping measurement each, cubic feet.....	8 1/4	12

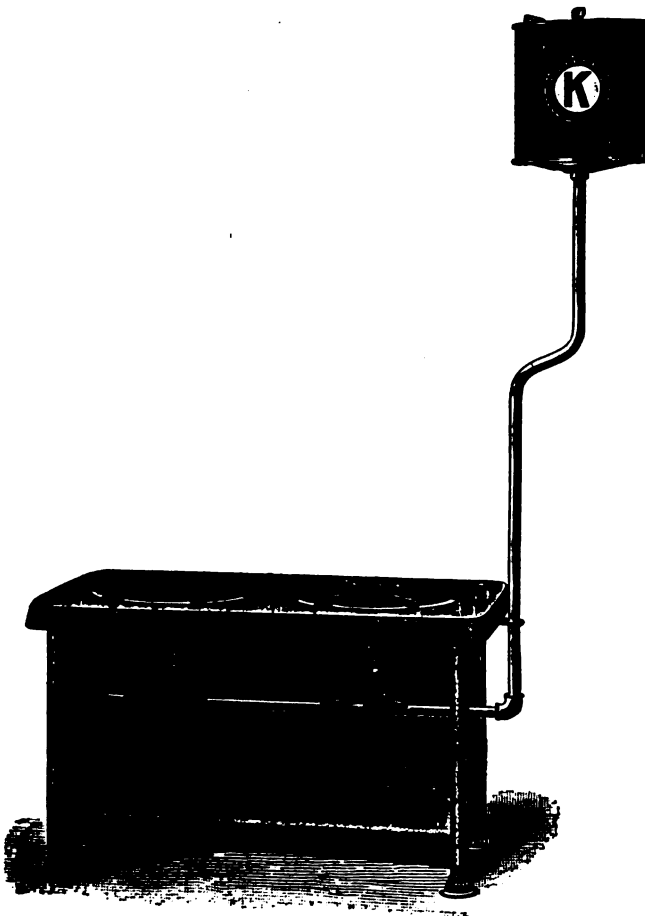
One in a crate.

**"KINWOOD" JUNIOR STOVES.**

ROUND. FOR GASOLINE. WITH STATIONARY TANKS.

Code.....	Gonnezzum
Number.....	<b>170K</b>
Number of burners.....	1
Capacity oil tank, quarts.....	4
Diameter top, inches.....	.....
Height, inches.....	.....
Each.....	<b>\$3.00</b>
Weight crated, lbs.....	.....
Shipping measurement, cubic feet.....	.....

One in a crate.

**"KINWOOD" JUNIOR STOVES.**

LOW. FOR GASOLINE. WITH STATIONARY TANKS.

Code.....	Gonnevar
Number.....	<b>160I</b>
Number of burners.....	2
Capacity oil tanks, quarts.....	4
Top, inches.....	22½x16
Height, inches.....	14
Each.....	<b>\$4.00</b>
Weight crated, lbs.....	25
Shipping measurement, cu. ft.....	5½/12

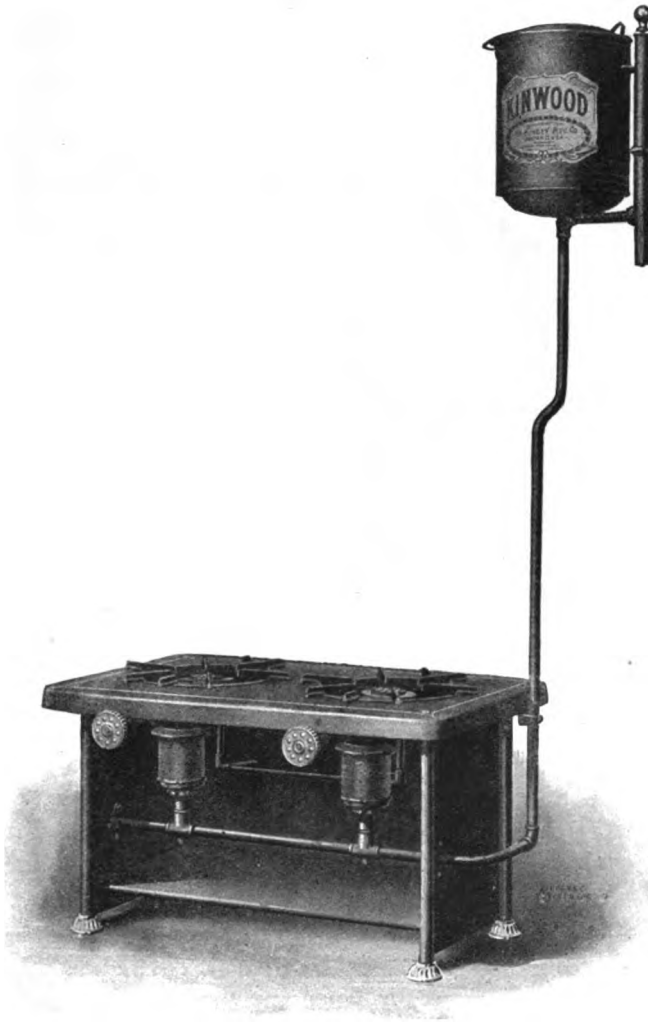
Code.....	Gonneycut
Number.....	<b>165I</b>
Number of burners.....	3
Capacity oil tank, quarts.....	4
Top, inches.....	33x16
Height, inches.....	14
Each.....	<b>\$5.50</b>
Weight crated, lbs.....	30
Shipping measurement, cu. ft.....	7¼

One in a crate.



**"KINWOOD" JUNIOR STOVES.**

FOR GASOLINE.



Cut shows Style No. 145F.

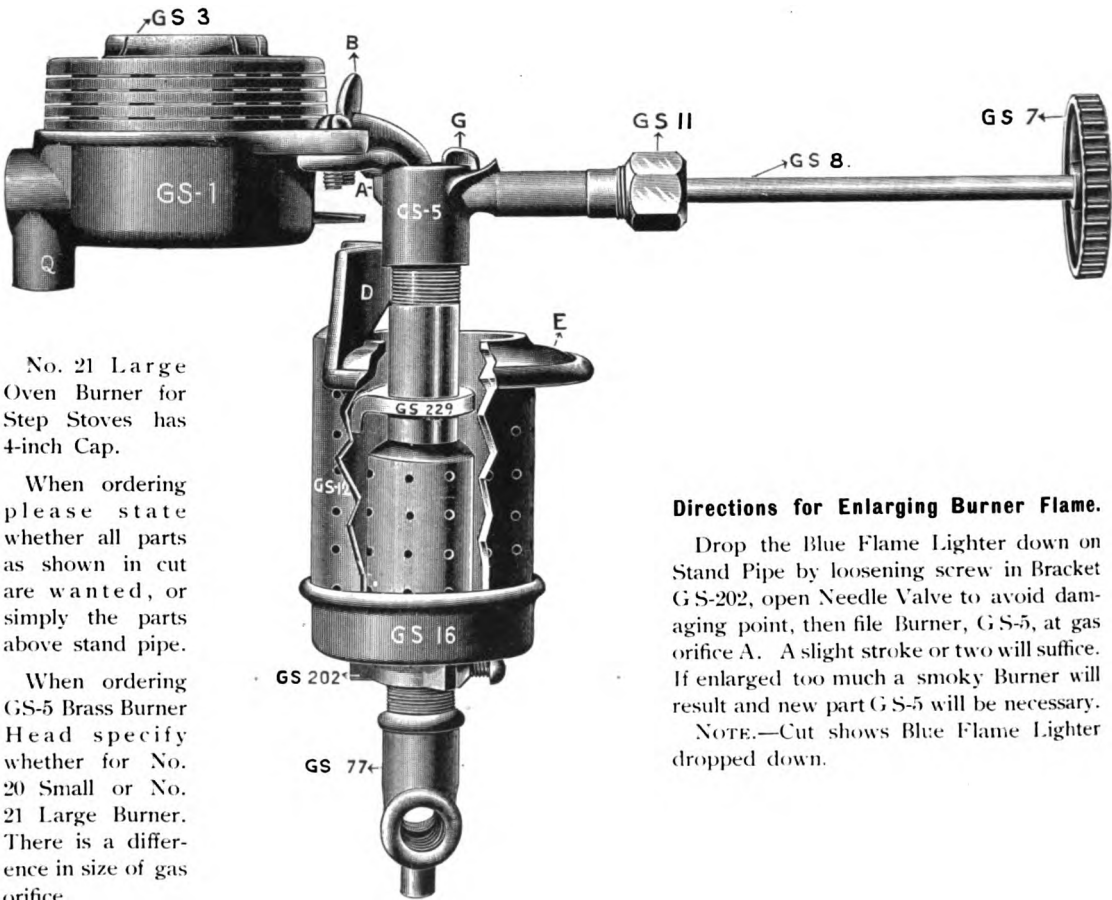
With Safety Attachment and Lift-Out Tanks. Handsomely Japanned. 3-inch Burners.

Code.....	Gonnecro	Gonneteri
Numbers .....	<b>140 E</b>	<b>145 F</b>
Number of burners .....	2	3
Capacity of oil tanks, quarts.....	4	4
Top, inches.....	22½x16	33x16
Height, floor to top of stove, inches.....	14	14
Each .....	\$6.50	8.00
Weight each, crated, lbs.....	25	30
Shipping measurement each, cubic feet.....	5½	7½

One in a crate.

THE "KINWOOD."

NO. 20 SMALL BURNER COMPLETE. 3/4-INCH CAP.



No. 21 Large  
Oven Burner for  
Step Stoves has  
4-inch Cap.

When ordering  
please state  
whether all parts  
as shown in cut  
are wanted, or  
simply the parts  
above stand pipe.

When ordering  
GS-5 Brass Burner  
Head specify  
whether for No.  
20 Small or No.  
21 Large Burner.  
There is a differ-  
ence in size of gas  
orifice.

Directions for Enlarging Burner Flame.

Drop the Blue Flame Lighter down on  
Stand Pipe by loosening screw in Bracket  
GS-202, open Needle Valve to avoid dam-  
aging point, then file Burner, GS-5, at gas  
orifice A. A slight stroke or two will suffice.  
If enlarged too much a smoky Burner will  
result and new part GS-5 will be necessary.

NOTE.—Cut shows Blue Flame Lighter  
dropped down.

	Each
No. 20 Complete, all parts.....	\$2.50
No. 20 Parts above Stand Pipe.....	1.40
No. 21 Complete, all parts.....	2.60
No. 21 Parts above Stand Pipe.....	1.50
GS-7 and 8 Needle with Hand Wheel.....	.25
GS-9 and 10 Air Tubes.....	.10
GS-11 Packing Nut with Sleeve.....	.15
GS-5 Burner Head.....	.40
GS-1 Mixing Bowl for No. 20 Burner.....	.25
GS-2 Mixing Bowl for No. 21 Burner.....	.30
GS-3 Burner Cap for No. 20 Burner.....	.20
GS-4 Burner Cap for No. 21 Burner.....	.25
GS-12 Top part of Lighter.....	.25
GS-16 Bottom part of Lighter.....	.25
GS-12 and 16 Lighter Complete.....	.50
GS-202 Lighter Support Bracket.....	.10
GS-226 Brass Stand Pipe.....	.30
GS-229 Stand Pipe Collar.....	.10
GS-77 Tee.....	.10

When repair parts are sent by mail postage will be charged.

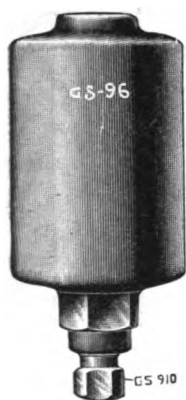


**"KINWOOD" REPAIRS.**

G S-326 Supply Tank.



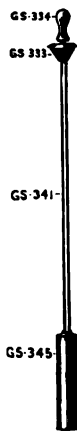
G S-376 Gasoline Reservoir.



G S-96 Separator.



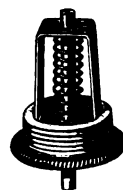
Sectional View, G S-96 Separator.



G S-328 Conveyor.



G S-378 Colla



G S-379 Valve

	Each
G S-370 Overflow Tank Complete .....	\$1.00
G S-369 Overflow Tank Screw .....	.25
G S-372 Overflow Tank Spring .....	.20
G S-371 Overflow Tank Can Screw .....	.30
G S-376 Gasoline Reservoir Complete.....	.80
G S-378 Valve Collar .....	.20
G S-379 Valve.....	.25
G S-326 Supply Tank Complete .....	1.50
G S-329 Tank Flange.....	.15
G S-328 Conveyor Complete.....	.40
G S-96 Separator Complete.....	.35
G S-910 Separator Screw Plug.....	.05
G S-346 Tank Cover.....	} Prices on Application.
G S-350 Conveyor Tube.....	
G S-353 Felt Washer Spinning.....	
G S-333 Conveyor Tube Cover .....	
G S-334 Conveyor Knob .....	
G S-341 Conveyor Rod.....	
G S-345 Conveyor Barrel.....	

When repair parts are sent by mail postage will be charged.

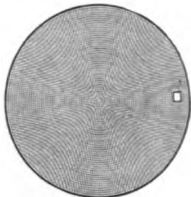
“KINWOOD” REPAIRS.



G S-3 3-inch Burner Cap.



G S-4 4-inch Burner Cap.



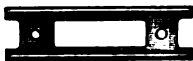
G S-919 Burner Cover.



G S-251 Front Plate.



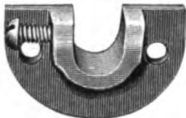
G S-253 Outside Slot Plate.



G S-252 Inside Slot Plate.



G S-908 Cover Lifter.



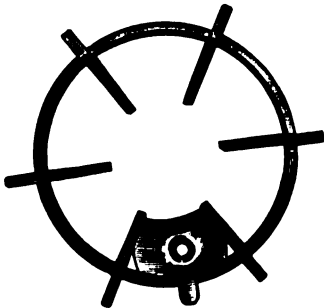
G S-155 Leg Pipe Stay.



G S-151 Tank Pipe Stay.



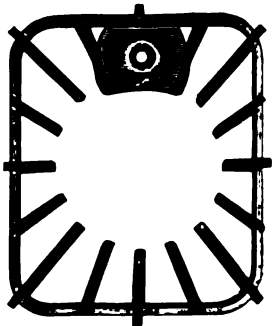
G S-904 Stove Wrench.



G S-303 8-inch Circular Grate.



G S-81 1/4-inch Elbow.



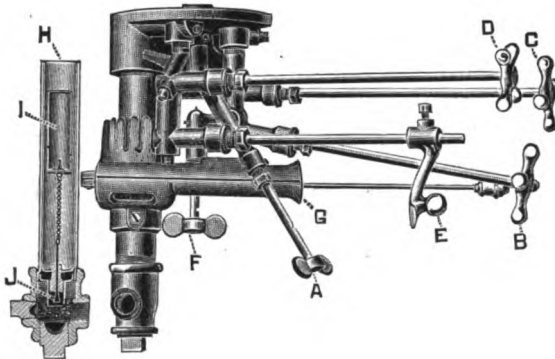
G S-304 Square Grate.

G S-3	Burner Cap.....	Each
G S-4	Burner Cap.....	\$0.20
G S-919	Burner Cover.....	.25
G S-908	Cover Lifter.....	.15
G S-904	Stove Wrench.....	.10
G S-251	Front Plate.....	.10
G S-252	Inside Slot Plate.....	.25
G S-253	Outside Slot Plate.....	.15
G S-303	Circular Grate.....	.20
G S-304	Square Grate.....	.25
G S-151	Tank Pipe Stay.....	.35
G S-155	Leg Pipe Stay.....	.25
(See cut page 372.)		.20
G S-81	1/4-inch Elbow.....	.05
G S-83	Tee and Separator Fitting.....	.25
G S-85	Tee and Drain Fitting.....	.25
G S-87	Right-hand Overflow Fitting.....	.15
G S-90	Left-hand Overflow Fitting.....	.15
G S-89	Middle Overflow Fitting.....	.20
G S-88	Step Burner Overflow Fitting.....	.15
G S-91	Overflow Tank Fitting.....	.25

When repair parts are sent by mail postage will be charged.

## THE "STANDARD" SAFETY SINGLE GENERATOR GASOLINE STOVE.

The "Standard" Safety is an entirely new stove, which for safety, economy, convenience and general utility is superior to any other stove. It is a single generator type with a powerful generator which has proven by years of experience to be the most perfect burner of its kind. To this burner we have added our Standard Safety Device, as shown in cut, which prevents any gasoline entering the burner until generated into gas, so that all possibility of leakages is overcome; and should the generator be closed and the other burners be left open, no flooding can occur.



Cut shows construction of Burner and a sectional view of Stand Pipe with Safety Device.

The generator is started with a torch, and as soon as heated furnishes gas for all the other burners. Open the valves and apply a light to the burners as required. After the generator is hot, in using the oven it is only necessary to burn the sub-fire of the generator, which will maintain a constant supply of gas at a nominal expense.

The stove is supplied with a water trap, which automatically separates any water or heavy oils from the gasoline.

The "Standard" Safety Single Generator we recommend as a simple, safe, efficient and economical cook stove.

**"STANDARD" SAFETY SINGLE GENERATOR STOVES.**

FOR GASOLINE.



Cut shows No. 853.

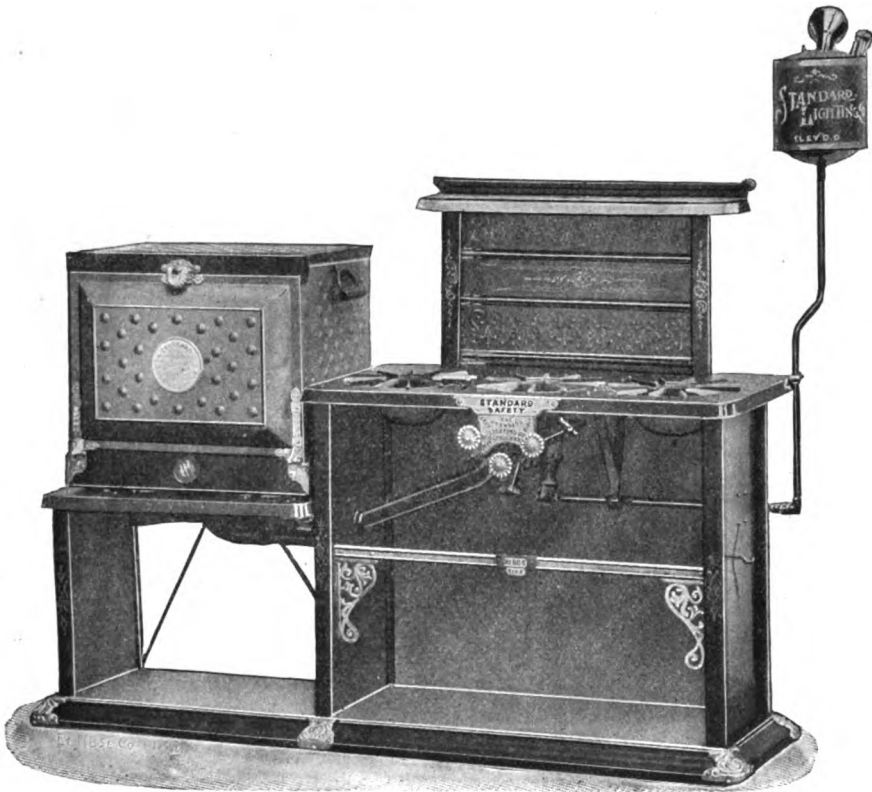
A complete safe single generator stove, with a new safety device, the water trap, and is the best junior gasoline stove that can be made. Perfectly safe, simple and easy to operate. An oven can be used on top for baking.

Code.....	Gonnevate Gonneving	
Numbers.....	<b>852</b>	<b>853</b>
Number of burners .....	2	3
Capacity of oil tank, quarts.....	4	4
Top, inches.....	25x17	33x17
Height, inches.....	14	14
Each .....	\$8.00	10.00
Weight crated, lbs.....	25	30
Shipping measure crated, cubic feet .....	5 $\frac{3}{4}$	7 $\frac{1}{4}$

One in a crate.

**“STANDARD” SAFETY SINGLE GENERATOR STOVES.**

FOR GASOLINE.



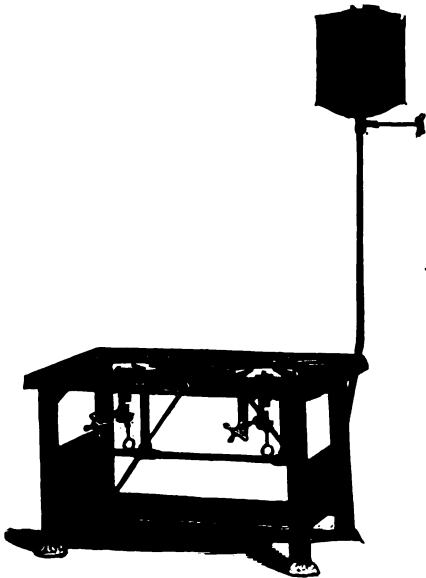
Cut shows Style No. 864, except that No. 864 has two burners on top instead of three.

The above stove, with oven, is well adapted to fill the requirements of an ordinary family. Is safe, economical and easy to operate. Has safety tank, automatic water trap, and our new safety single generator burner.

Code .....	Gonnexure
Number.....	<b>864</b>
Number of burners .....	4
Capacity of oil tank, quarts .....	4
Top, inches.....	25x17
Height, inches.....	27
Step, inches.....	22x15
Oven, inches.....	20x18x13
Each.....	<b>\$20.00</b>
Weight crated, lbs.....	120
Shipping measure crated, cubic feet.....	16½

One in a crate.



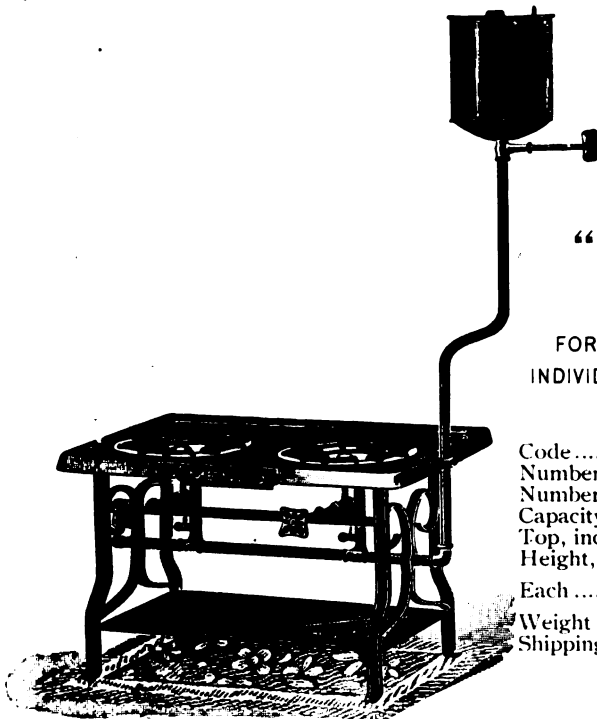


### **"MODEL" LOW JUNIOR STOVES.**

FOR GASOLINE. WITH STATIONARY TANKS AND IRON  
STAND PIPES BRASS-PLATED.

Code.....	Gonnibell	Gonsoire	Gontadio
Numbers .....	<b>1</b>	<b>2</b>	<b>3</b>
Number of burners.....	1	2	3
Capacity of oil tank, quarts..	4	4	4
Top, inches.....	18x16	22½x16	32½x16
Height, inches.....	14	14	14
Each .....	\$5.00	6.50	9.00
Weight crated, lbs.....	23	27	33
Shipping measure, cubic feet.	3¾	3⅓	5⅓

One in a crate.



### **"MENLO" LOW JUNIOR STOVES.**

FOR GASOLINE. WITH STATIONARY TANKS AND  
INDIVIDUAL GENERATING BURNERS WITH DRILLED  
BURNER CAPS. BRASS STAND PIPES.

Code.....	Gontmits	Gonzoro
Numbers .....	<b>2B</b>	<b>3B</b>
Number of burners.....	2	3
Capacity of oil tank, quarts.....	4	4
Top, inches.....	22½x15½	32½x15½
Height, inches.....	14	14
Each .....	\$7.00	9.60
Weight crated, lbs.....	25	38
Shipping measure, cubic feet.....	4⅓	6⅓

One in a crate.

**GASOLINE FIRE POTS AND TORCHES.****CLAYTON & LAMBERT  
FIRE POTS.**

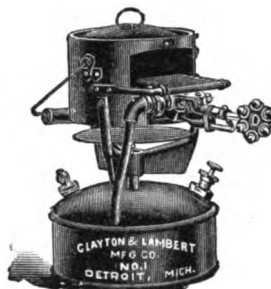
BRONZE METAL BURNERS WITH CLEAN-OUT PLUGS.

PERFECT AND DURABLE PUMPS.

REMOVABLE HOODS.

Code.....	Goorgate
Number.....	1
Capacity of oil tank, quarts.....	2
Diameter of oil tank, inches.....	8 $\frac{3}{4}$
Height over all, inches.....	11 $\frac{1}{2}$
Each.....	\$6.00
Shipping weight, lbs.....	12 $\frac{1}{2}$
Shipping measure, cubic foot.....	$\frac{5}{8}$

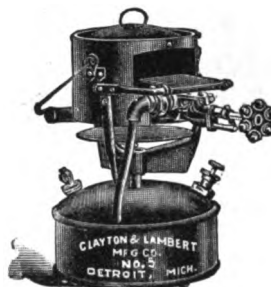
One in a case.

**CLAYTON & LAMBERT  
FIRE POTS.**

SAME AS No. 1 EXCEPT THAT IT IS SMALLER.

Code.....	Goorgate
Number.....	5
Capacity of oil tank, quarts.....	1 $\frac{1}{2}$
Diameter of oil tank, inches.....	7 $\frac{3}{4}$
Height over all, inches.....	11 $\frac{1}{2}$
Each.....	\$4.50
Shipping weight, lbs.....	12
Shipping measure, cubic foot.....	$\frac{2}{3}$

One in a case.

**CLAYTON & LAMBERT  
FIRE POTS.**SAME AS No. 1 EXCEPT THAT IT IS SMALL ENOUGH  
TO BE PACKED IN A TOOL BAG.

Code.....	Goorgate
Number.....	6
Capacity of oil tank, quarts.....	1
Diameter of oil tank, inches.....	6 $\frac{1}{4}$
Height over all, inches.....	9 $\frac{1}{4}$
Each.....	\$4.00
Shipping weight, lbs.....	9
Shipping measure, cubic foot.....	$\frac{5}{8}$

One in a case.

**CLAYTON & LAMBERT  
FIRE POTS.**

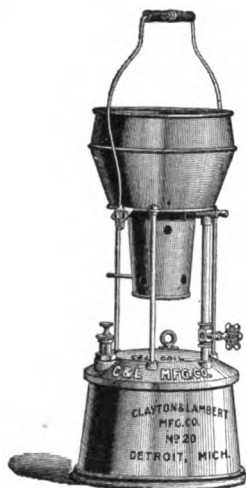
SAME AS No. 1 EXCEPT THAT IT HAS TWO BURNERS.

Code.....	Goorgate
Number.....	15
Capacity of oil tank, quarts.....	2
Diameter of oil tank, inches.....	8 $\frac{3}{4}$
Height over all, inches.....	11 $\frac{1}{2}$
Each.....	\$8.00
Shipping weight, lbs.....	15
Shipping measure, cubic foot.....	$\frac{5}{8}$

One in a case.







## CLAYTON & LAMBERT FIRE POTS.

STRONG AND DURABLE. EXTRA HEAVY PIPE COILS.  
NEEDLE AIR VALVES. BRASS AIR PUMPS.  
IMPROVED FEED VALVES.

Code.....	Goorsmit
Number .....	20
Capacity of oil tank, quarts.....	2
Diameter of oil tank, inches.....	8½
Height over all, inches.....	18
Each.....	\$3.25
Shipping weight, lbs.....	13
Shipping measurement, cubic foot.....	¾

One in a case.

## CLAYTON & LAMBERT TORCHES.

POLISHED BRASS. SAME AS No. 2 EXCEPT THAT IT IS  
SMALLER. MADE OF No. 18 BRASS. BRASS  
AIR PUMPS, SERVE AS HANDLES.  
MAKES A FINE NEEDLE FLAME.



Code.....	Goorwasp
Number .....	8
Capacity, quart.....	½
Diameter, inches.....	3¾
Height, inches.....	5¾
Each.....	\$2.00
Shipping weight, lbs.....	1¾
Shipping measurement, cubic foot.....	⅓

One in a case.

## CLAYTON & LAMBERT TORCHES.

POLISHED BRASS. SEAMLESS. ROUND BURNERS WITH  
LARGE CLEAN-OUT OPENINGS. BRASS AIR  
PUMPS. WILL NOT BLOW OUT.



Code.....	Goorstole
Number .....	2
Capacity, quart.....	1
Diameter, inches.....	5¾
Height, inches.....	9
Each.....	\$2.50
Shipping weight, lbs.....	5
Shipping measurement, cubic foot.....	¾

One in a case.

## CLAYTON & LAMBERT TORCHES.

POLISHED BRASS. SAME AS No. 2 WITH A No. 3 BURNER  
ADDED.

Code.....	Gootsank
Number.....	5
Capacity, quart.....	1
Diameter, inches.....	5½
Height, inches.....	10
Each .....	\$3.00
Shipping weight, lbs.....	5
Shipping measure, cubic foot.....	⅓

One in a case.



## CLAYTON & LAMBERT TORCHES.

POLISHED BRASS. SAME AS No. 2, PROVIDED WITH A  
HOOK ON THE BURNER FOR HOLDING  
SOLDERING IRONS.

Code.....	Gootshak
Number.....	6
Capacity, quart.....	1
Diameter, inches.....	5¾
Height, inches.....	10
Each.....	\$3.00
Shipping weight, lbs.....	5¼
Shipping measure, cubic foot.....	⅓

One in a case.



## CLAYTON & LAMBERT TORCHES.

POLISHED BRASS. SEAMLESS. IMPROVED BURNERS  
AND SWIVELS. BRASS AIR PUMPS. WILL  
NOT BLOW OUT.

Code.....	Goorspane
Number.....	1
Capacity, quart.....	1
Diameter, inches.....	5¾
Height, inches.....	9
Each.....	\$3.00
Shipping weight, lbs.....	5½
Shipping measurement, cubic foot.....	⅓

One in a case.



## CLAYTON & LAMBERT TORCHES.



POLISHED BRASS. SEAMLESS. BRASS AIR PUMPS IN HANDLES. ROUND BURNERS, WITH WOOD HANDLES. POWERFUL, STRONG AND ECONOMICAL.

Code.....	Gootsklam
Number.....	<b>16</b>
Capacity, quart.....	1
Diameter, inches.....	5½
Height, inches.....	9
Each.....	<b>\$2.25</b>
Shipping weight, lbs.....	5
Shipping measure, cubic foot.....	⅓

One in a case.

## CLAYTON & LAMBERT TORCHES.



POLISHED BRASS. SAME AS No. 16, EXCEPT THAT IT IS SMALLER.

Code.....	Gootstow
Number.....	<b>18</b>
Capacity, quart.....	½
Diameter, inches.....	4¾
Height, inches.....	8
Each.....	<b>\$2.00</b>
Shipping weight, lbs.....	3½
Shipping measure, cubic foot.....	⅓

One in a case.

## CLAYTON & LAMBERT TORCHES.



NICKEL-PLATED BRASS. FOR ALCOHOL OR GASOLINE. ADJUSTABLE BLOW PIPES. SCREW CAP.

Code.....	Gootsvelk
Number.....	<b>11</b>
Diameter, inch.....	¾
Length, inches.....	6
Each.....	<b>\$0.75</b>
Weight each, lb.....	¼

One in a box.

## CLAYTON & LAMBERT TORCHES.



POLISHED BRASS. FOR ALCOHOL OR GASOLINE. AIR BLAST PASSES THROUGH A CHAMBER CHARGED WITH GAS WHICH MAKES A MUCH STRONGER FIRE THAN CAN BE HAD IN ANY OTHER WAY. SCREW CAPS.

Code.....	Gorably
Number.....	<b>14</b>
Diameter, inches.....	1¾
Length, inches.....	6½
Each.....	<b>\$1.00</b>
Weight each, lb.....	1

One in a box.

**HANDY POCKET TORCHES.**

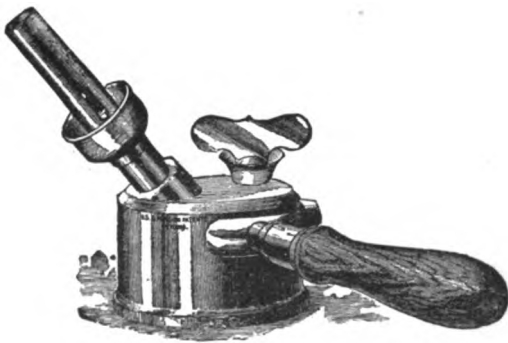
OXYDIZED. FOR ALCOHOL OR BENZINE. COTTON  
PACKED. WITH EXTINGUISHING CAPS.

Code.....	Goramet
Diameter, inch.....	$\frac{7}{8}$
Length, inches.....	4
Per dozen.....	\$4.00
One dozen in box.	



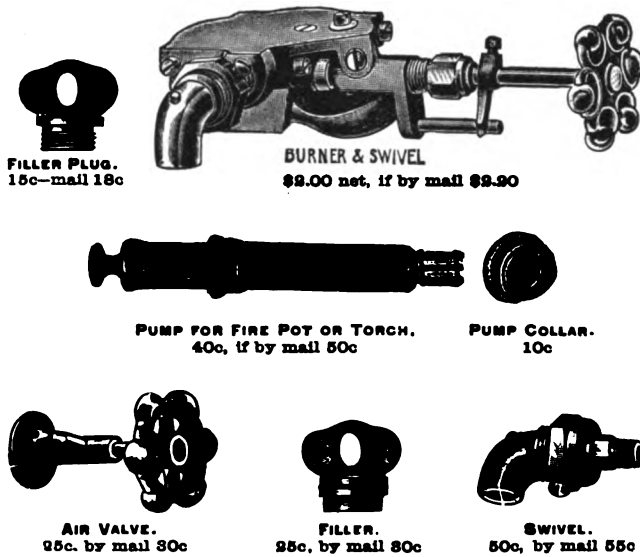
**VULCAN TORCHES.**

POLISHED BRASS. WOOD HANDLES SCREW ON IN TWO POSITIONS. FOR GASOLINE. NO WICKS.



Code .....	Goraneck
Diameter, inches .....	$3\frac{1}{8}$
Height of oil tank, inches .....	2
Each.....	\$4.00





















## REPAIRS FOR FIRE POTS.



Numbers of Fire Pots.....	1	5	6	15
Base complete with Burner.....	\$4.00	3.00	3.00	6.00
Code .....	Gorbolete	Gorbonica	Gorboritas	Gorbotamo
Top Section.....	\$2.00	1.50	1.00	2.00
Code .....	Gorbotase	Gordaler	Gordank	Gordhake
Burner only.....	\$1.50	1.50	1.50	1.50
Code .....	Gordman	Gordpaper	Gordrage	Gordzang
Swivel.....	\$0.50	.50	.50	.50
Code .....	Gorealis	Goreasm	Goreotid	Gorghise
Filler Plug.....	\$0.15	.15	.15	.15
Code .....	Gorghette	Gorgodil	Gorgolane	Gorgonate
Filler Collar.....	\$0.10	.10	.10	.10
Code .....	Gorgonzolo	Gorlabor	Gormonie	Gornoyer
Pump.....	\$0.40	.40	.40	.40
Code .....	Gornpute	Gorracat	Gorrachic	Gorratell
Pump Collar.....	\$0.10	.10	.10	.10
Code .....	Gorregul	Gorricane	Gorrimust	Gorsdorf
Drip Cup or Hood.....	\$0.25	.25	.25	.25
Code .....	Gorsippe	Gorstade	Gorstkler	Gorstkoop
Needle and Stuffing-box.....	\$0.25	.25	.25	.25
Code .....	Gorstlapp	Gorstmete	Gorstpin	Gorstrem

When repair parts are sent by mail postage will be charged.

COIL FIRE POT REPAIRS.

<i>Burner</i>  EACH .10¢	<i>Connecting Pipe</i>  EACH .08¢	<i>Coil</i>  EACH .25¢	<i>Coil Cup</i>  EACH .25¢	<i>Ell</i>  EACH .04¢
<i>Filler Plug</i>  EACH .10¢	<i>Handle Ear</i>  EACH .04¢	<i>Handle</i>  EACH .15¢	<i>Nuts</i>  No. 1 No. 2 EACH .01¢	<i>Valve</i>  EACH .30¢
<i>Air Valve</i>  EACH .25¢	<i>Plug</i>  EACH .04¢	<i>Reservoir</i>  EACH .15¢	<i>Bulb</i>  EACH .20¢	<i>Shield</i>  No. 1 No. 2 EACH .35¢
<i>No. 3 Shield</i>  EACH .75¢	<i>Tee</i>  EACH .04¢	<i>Top Plate</i>  EACH .15¢	<i>Upright</i>  EACH .06¢	<i>Wire for Coil</i>  EACH .05¢

Name of Part.	Price.	Code.	Name of Part.	Price.	Code.
Burner.....	\$0.10	Gorstroke	Plug.....	\$0.04	Gosporic
Connecting Pipe.....	.08	Gorstwier	No. 20 Reservoir.....	1.50	Gossage
Coil.....	.25	Gorzegum	Bulb.....	.20	Gossoner
Coil Cup.....	.25	Gorzolet	No. 1 Shield.....	.35	Gostange
Ell.....	.04	Gosarde	No. 2 Shield.....	.35	Gostello
Filler Plug.....	.10	Goschdruf	No. 3 Shield.....	.75	Gosteazam
Handle Ear.....	.04	Goschgoud	Tee.....	.04	Gosteazase
Handle.....	.15	Goschloot	Top Plate.....	.15	Gostriche
No. 1 Nut.....	.01	Goschslag	Upright.....	.06	Goswell
No. 2 Nut.....	.01	Goschwind	Wire for Coil.....	.05	Gotanike
Valve.....	.30	Gosorim	Pump.....	.40	Gotavan
Air Valve.....	.25	Gospeler			

When repair parts are sent by mail postage will be charged.

TORCH REPAIRS.

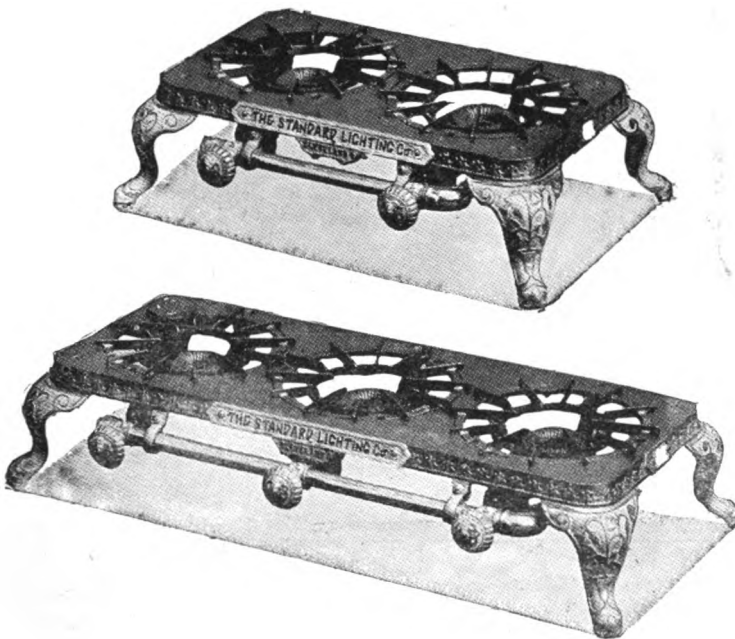
Numbers of Torches.....	1	2	3	5	6	16	18
Burner.....	\$1.50	1.25	1.25	1.75	1.40	1.25	1.25
Code.....	Gotelheir	Gotellone	Gotenlaf	Goterblom	Goterdeg	Goterend	Gotergeba
Filler Plug.....	\$0.15	.15	.15	.15	.15	.15	.15
Code.....	Goterhust	Gotermark	Goterpote	Goterwag	Goterzar	Gothic	Gothrope
Filler Collar.....	\$0.10	.10	.10	.10	.10	.10	.10
Code.....	Gotorale	Gotrobat	Gotryone	Gotsend	Gottegon	Gottlem	Gottlore
Burner Tube.....	\$......	.20	.20	.20	.20	.20	.20
Code.....	Gotthame	Gottschur	Gouboul	Gouchard	Gouchasse	Gouchero	Goudante
Pump.....	\$0.40	.40	.40	.40	.40	.40	.40
Code.....	Goudelore	Goudinet	Gouffare	Gouganest	Goulange	Goulever	Gouloure
Pump Collar.....	\$0.10	.10	.10	.10	.10	.....	.....
Code.....	Gourbond	Gourbote	Gourdalo	Gourmand	Gourrell	Goursicat	Gousiner
Tanks only.....	\$1.00	1.00	.75	1.00	1.00	1.00	1.00
Code.....	Goussart	Goutalex	Goutbore	Goutkoge	Gouttan	Gouvete	Gouzemon

When repair parts are sent by mail postage will be charged.

**"NEW PROCESS" GAS HOT PLATES.**

THE BEST THAT CAN BE MADE.

WITH DRILLED STAR BURNERS. CAST IN ONE PIECE. THE MOST EFFICIENT OF ALL GAS BURNERS. NICKEL-PLATED LEGS AND SUPPLY PIPE ( $\frac{1}{2}$ -INCH IRON PIPE SIZE), WHICH RUNS TO BACK OF STOVE.



Code .....	Govendike	Govenheme
Numbers.....	<b>136</b>	<b>137</b>
Top, inches .....	20x10	30x10
Height, inches .....	6 $\frac{1}{4}$	6 $\frac{1}{4}$
Each.....	\$8.50	10.50
Weight crated, lbs .....	29	43
Shipping measure, cubic feet.....	2 $\frac{3}{12}$	3 $\frac{7}{12}$

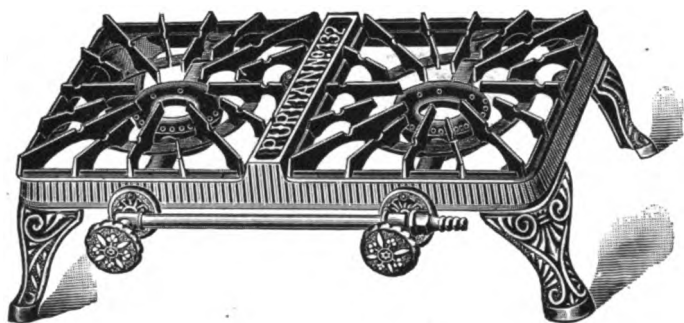
No. 136 has 1 Giant and 1 Regular Burner.

No. 137 has 1 Giant and 2 Regular Burners.

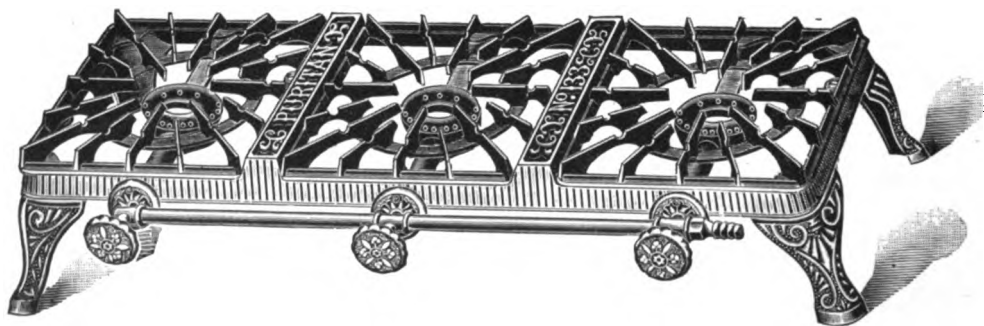
One in a crate.

“PURITAN” GAS HOT PLATES.

FRAMES POLISHED AND NICKEL-PLATED. GRATES WHITE NICKEL. ADJUSTABLE NEEDLE VALVES. SHIPPED WITH LEGS OFF TO PREVENT BREAKAGE. FLUSH TOPS.



No. 132D



No. 133D

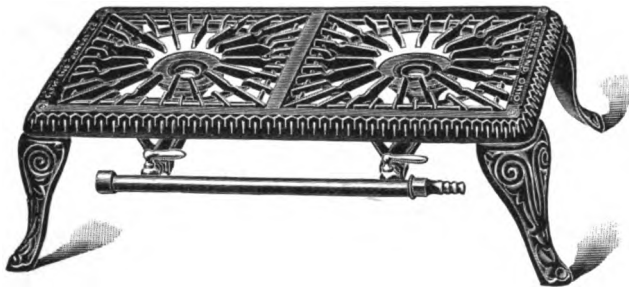
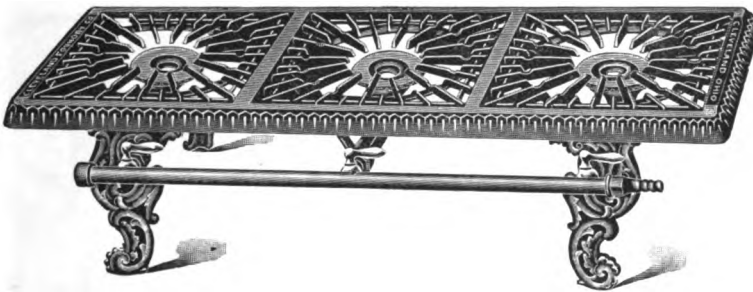
Code.....	Govenkort	Govenlute
Numbers.....	<b>132D</b>	<b>133D</b>
Top, inches.....	21x10 1/2	31x10 1/2
Height, inches.....	6 1/2	6 1/2
Each.....	\$4.40	6.25
Weight per crate, lbs.....	21	29
Shipping measurement, cubic feet.....	1 1/4	2

One in a crate.



**“PURITAN” GAS HOT PLATES.**

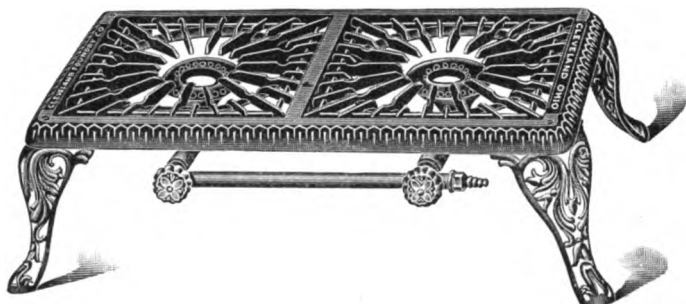
FINISHED IN BLACK JAPAN, WITH GAS COCKS. HAVE FLUSH TOPS, LOOSE  
CAP BURNERS  $3\frac{1}{4}$  INCHES DIAMETER.

**No. 501****No. 502****No. 503**

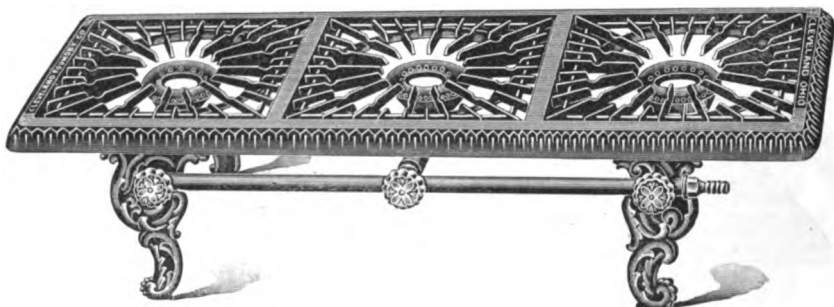
Code .....	Govenope	Govenzal	Goyaramo
Numbers.....	<b>501</b>	<b>502</b>	<b>503</b>
Top, inches.....	11x11	20x11	30x11
Height, inches.....	6½	6½	6½
Each .....	\$1.25	2.35	3.50
Number in crate.....	4	2	2
Weight per crate, lbs.....	40	36	48
Shipping measurement per crate, cubic feet.....	1½½	1¼	2½

## "PURITAN" GAS HOT PLATES.

LEGS AND FEED PIPE POLISHED AND NICKEL-PLATED. FRAME BLACK JAPANNED. GRATES WHITE NICKEL WITH NEEDLE VALVES AND DRILLED BURNERS, WITH REMOVABLE TOPS  $4\frac{1}{4}$  INCHES DIAMETER. HAVE FLUSH TOPS



No. 702



No. 703

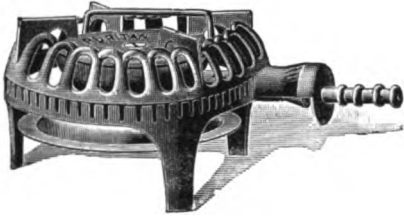
Code.....	Goyarine	Goyerizo	Gozzaler	Gozzolass
Numbers.....	<b>702</b>	<b>703</b>	<b>702B</b>	<b>703B</b>
Top, inches.....	$22\frac{1}{2} \times 12\frac{1}{4}$	$33\frac{1}{4} \times 12\frac{1}{4}$	$22\frac{1}{2} \times 12\frac{1}{4}$	$33\frac{1}{4} \times 12\frac{1}{4}$
Height, inches.....	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$
Each.....	\$3.75	5.20	4.25	5.70
Weight per crate, lbs.....	21	28	22	29
Shipping measure per crate, cubic feet.....	$1\frac{1}{12}$	$1\frac{1}{12}$	$1\frac{1}{12}$	$1\frac{1}{12}$

One in a crate.

No. 702B has 1 Large, Powerful Star Burner and 1 Regular Burner.

No. 703B " 1 " " " " " 2 " "

## "PURITAN" GAS HOT PLATES.

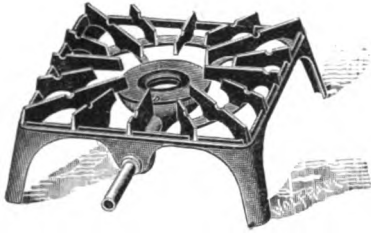


WHITE NICKEL FINISH. SWINGING LOOP FOR HEATING CURLING IRONS. TIN DEFLECTING PLATE.

Code.....	Graafe
Number.....	<b>11</b>
Diameter, inches.....	5
Diameter of burner, inches.....	2 1/4
Height, inches.....	3
Per dozen.....	<b>\$3.85</b>
Weight per case, lbs.....	25
Shipping measure, cubic feet.....	1 1/2

One dozen in a case.

## "PURITAN" GAS HOT PLATES.

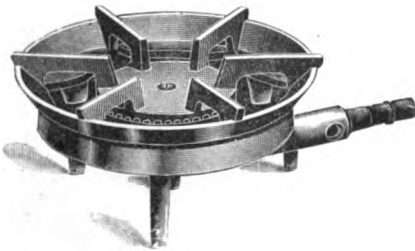


WHITE NICKEL FINISH. FLUSH TOP.

Code.....	Graffed
Number.....	<b>201</b>
Top, inches.....	8 1/2 x 8 1/2
Diameter of burner, inches.....	3
Height, inches.....	4
Each.....	<b>\$0.90</b>
Weight per crate, lbs.....	30
Shipping measure per crate, cubic feet.....	1 1/2

Six in a crate.

## LITTLE WIZARD GAS STOVES.



WHITE NICKEL FINISH. HANDSOME, LIGHT AND STRONG. ENCLOSED BOTTOMS.

Code.....	Graaler
Number.....	<b>71</b>
Diameter, inches.....	6
Diameter of burner, inches.....	3
Height, inches.....	3 1/2
Per dozen.....	<b>\$6.50</b>
Weight each, lbs.....	2
Shipping measure, cubic foot.....	1/2

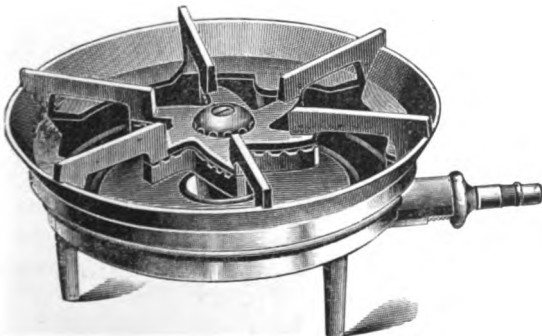
One in a box.

## NEW WIZARD GAS STOVES.

WHITE NICKEL FINISH. STAR BURNERS. HANDSOME. LIGHT AND STRONG. ENCLOSED BOTTOMS.

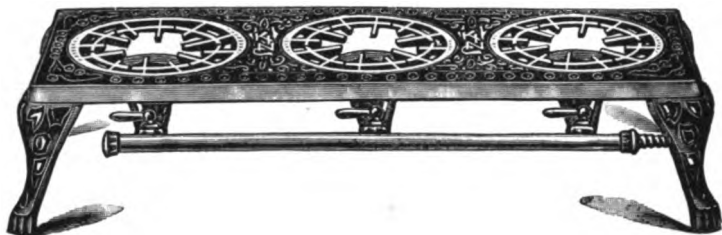
Code.....	Grabantice
Number.....	<b>51</b>
Diameter, inches.....	8
Height, inches.....	4
Per dozen.....	<b>\$12.00</b>
Weight each, lbs.....	3
Shipping measure cubic foot.....	1/2

One in a box.



“KING” GAS HOT PLATES.

FINISHED BLACK OR POLISHED AND NICKEL-PLATED. HAS BRASS LEVER COCKS, REMOVABLE GRATES, LOOSE CAP BURNERS, 3¼ INCHES DIAMETER. REMOVABLE LEGS. FANCY FLUSH TOPS.



Cut shows number 50.

Code.....	Grabille	Gracmart	Gracarum	Graceamo
Numbers.....	40	50	40F	50F
Top, inches.....	18½x9¾	23¼x9¾	18½x9¾	23¼x9¾
Height, inches.....	6¼	6¼	6¼	6¼
Each.....	\$1.95	3.00	2.25	3.40

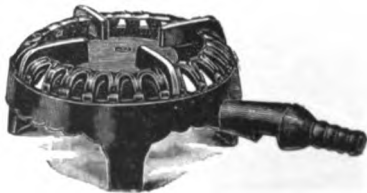
One in a package.  
Nos. 40 and 50 are Plain.  
Nos. 40F and 50F are Full Nickel.

“KING” GAS HOT PLATES.

POLISHED. NICKEL-PLATED LEGS. WHITE NICKEL TOPS.

Code.....	Gracelone
Number.....	00
Diameter, inches.....	5
Diameter of burner, inches.....	2¼
Height, inches.....	3
Per dozen.....	\$3.00

One in a package.

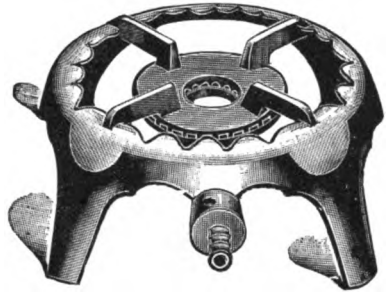


**"KING" GAS HOT PLATES.**

POLISHED NICKEL-PLATED LEGS. WHITE NICKEL TOPS.

Code.....	Graceroll
Number.....	0
Diameter, inches.....	7
Diameter of burners, inches.....	3
Height, inches.....	3
Per dozen.....	\$6.00

One in a package.

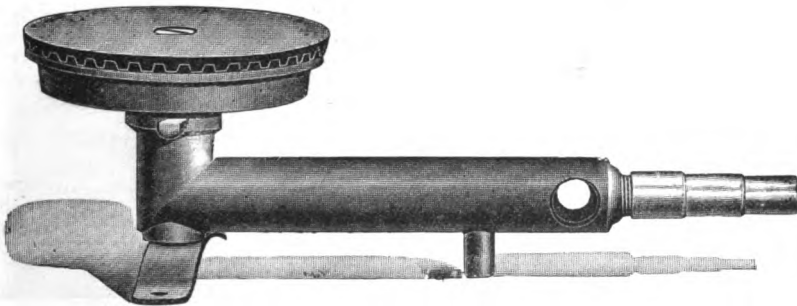
**MONITOR GAS BURNERS.**CAST IRON. TAPPED FOR  $\frac{1}{8}$ -INCH STANDARD PIPE.  
FOR USE UNDER URNS, CHAFING DISHES, ETC.

Code .....	Grachiol	Grachlang	Grachrube
Numbers.....	1	2	3
Diameter of burner, inches.....	2½	3¼	4½
Height, inches.....	4	4½	5
Per dozen.....	\$4.20	8.30	10.70
Weight per dozen, lbs.....	.....	.....	.....

One-half dozen in a box.

**PHOENIX GAS STOVES.**

WHITE NICKEL FINISH. FOR USE UNDER URNS, CHAFING DISHES, STEAM TABLES, PLATE WARMERS, ETC.



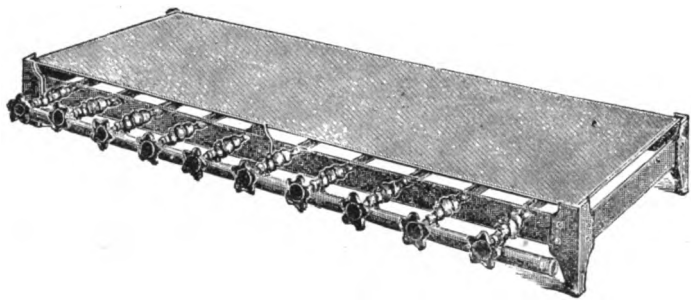
Code.....	Gracicort
Number.....	76
Diameter of burner, inches.....	3
Height, inches.....	2½
Length, inches.....	7
Per dozen.....	\$4.00
Weight per dozen, lbs.....	10
Shipping measurement per dozen, cubic foot.....	½

One-half dozen in a box.

H. M. & S. GAS CRIDDLES.

CAST IRON LEGS. WROUGHT IRON FRAMES. POLISHED STEEL TOPS. NEEDLE VALVES  
WITH NICKEL-PLATED HANDLES.

Powerful Drilled Burners that extend from Front to Back of Stove, each Burner regulated by individual  
Valve. Uniform heat all over the Plate.

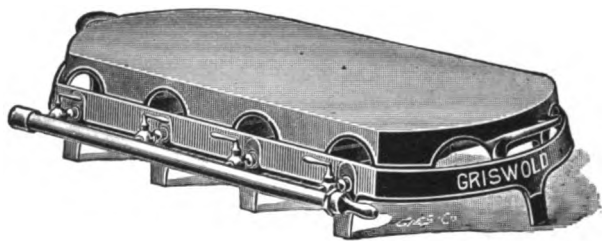


Code.....	Graconade
Length, inches .....	24
Width, inches .....	18
Height, inches .....	7
Per foot.....	\$10.00

All Sizes and Styles made to order. Prices quoted on application.

FRENCH GAS CRIDDLES.

JAPANNED FRAMES. NICKEL-PLATED TRIMMINGS. TOPS 3/8 INCH THICK. HAND POLISHED.



Code .....	Gradipot	Gradonist
Numbers .....	8	9
Top, inches.....	10 1/2 x 20 1/2	10 1/2 x 23
Each .....	\$10.00	11.75
Weight each, lbs.....	25	32

FRENCH CRIDDLES ONLY.

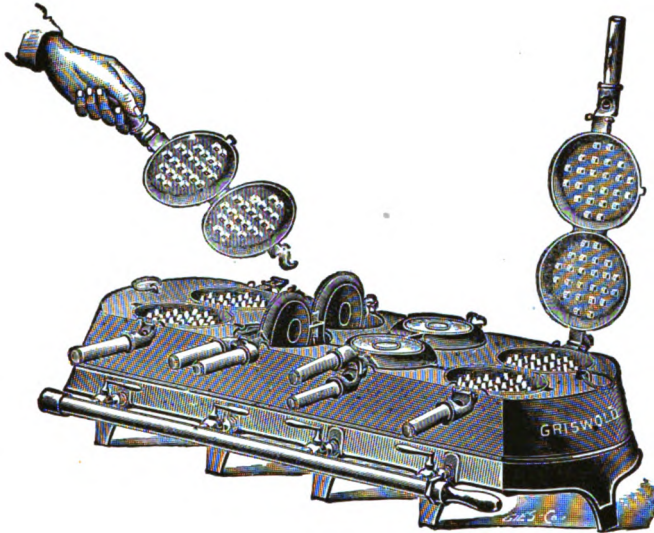
SAME AS ABOVE.

Code .....	Gradoon	Grailler
Numbers.....	8	9
Size, inches.....	10 1/2 x 20 1/2	10 1/2 x 23
Each.....	\$3.50	4.25



## FRENCH GAS WAFFLE IRONS.

WITH BURNER UNDER EACH WAFFLE. PANS REVOLVE INDEPENDENTLY. ESPECIALLY ADAPTED FOR HOTELS AND RESTAURANTS.



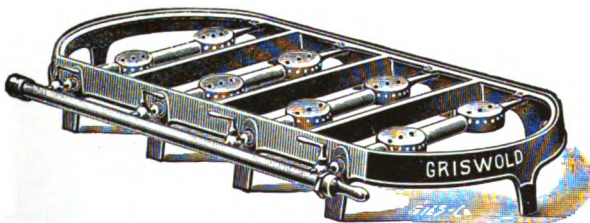
Patented.

Code.....	Grakener	Gramadere
Numbers .....	8	9
Sets of pans.....	3	4
Diameter of pan.....	4	4
Length of frame, inches.....	20	22½
Width of frame, inches.....	11½	11½
Height, inches.....	5	5
Each .....	\$9.25	10.85
Weight each, lbs.....	26¼	33

## FRENCH WAFFLE STOVES.

This Stove is the one used for Combination Gas Waffle and Griddle.

PERFECT COMBUSTION GUARANTEED. JAPANNED FRAME. NICKEL-PLATED TRIMMINGS.



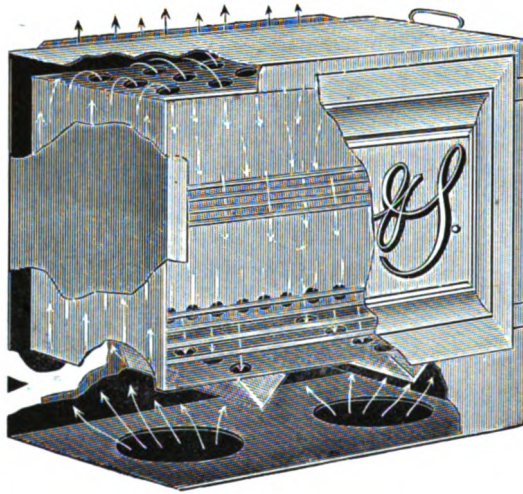
Code .....	Gramant	Grambale
Numbers .....	8	9
Top, inches.....	10½x20½	10½x23
Each .....	\$8.50	7.50

The cut shows the construction of Stove.

Also sold in sets of three, consisting of one Gas Stove, one French Waffle and one French Griddle.

# H. M. & S. TIN OVENS.

GUARANTEED TO BAKE PERFECTLY.



Code .....	Gramidose	Gramkape	Gramschot	Gramvale
Numbers .....	00	0	1	2
Length, inches.....	11	14	14	21
Width, inches.....	10	10	13	13
Height, inches.....	11	15	14	18
Inside dimensions, inches.....	9 1/4 x 8 1/4 x 8	12 1/2 x 8 1/4 x 10	11 1/2 x 11 1/4 x 11 1/4	18 1/4 x 12 x 11 1/2
Each .....	\$2.50	3.00	3.50	4.50
Weight each, loose, lbs.....	7	10	13	18
Shipping measurement cubic feet .....	1 1/12	1 1/3	1 1/2	2 5/6

## "NEW PROCESS" OVENS.

EMBOSSED. PLANISHED IRON. CORRUGATED TIN LINING. DROP OVEN DOOR.

Code.....	Grancarde
Number.....	1 A
Length, inches.....	21
Width, inches.....	14 1/2
Height, inches.....	19 1/2
Inside dimensions, inches .....	19 1/2 x 13 1/4 x 12
Each.....	\$4.00
Weight per crate, lbs.....	28
Shipping measurement, cubic feet.....	3
One in a crate.	

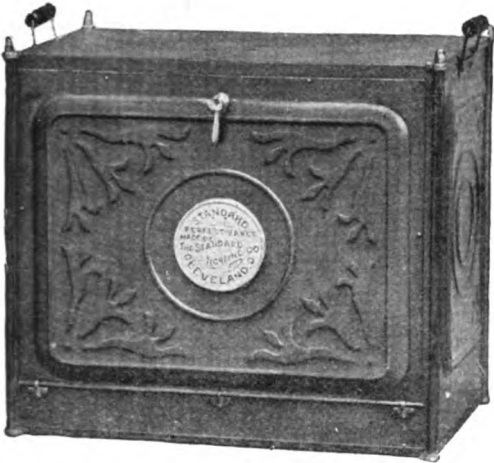




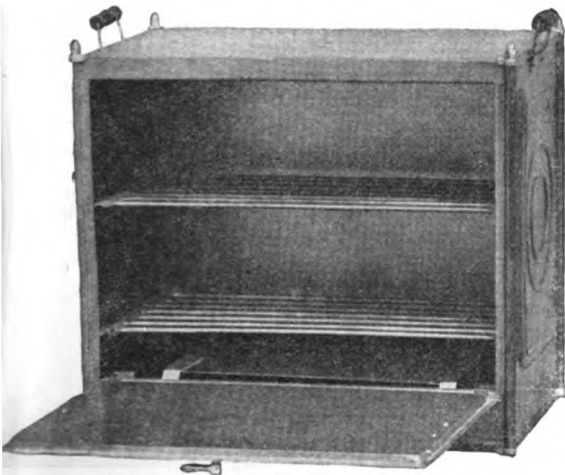
## "STANDARD" KNOCK-DOWN OVENS.

POLISHED STEEL.

Code .....	Grandhafe	Grandhart
Numbers .....	<b>21</b>	<b>22</b>
Number of burners.....	1	2
Inside dimensions, inches.....	.....	.....
Length, inches.....	13	20
Height, inches.....	18	18
Width, inches .....	13	13
Each.....	\$2.50	3.00
Weight each, boxed, lbs.....	21	27
Shipping measurement per case, cu. ft.	1 <sup>1</sup> / <sub>6</sub>	1 <sup>5</sup> / <sub>12</sub>
One in a case.		



Cut shows Style No. 22 Oven, Closed.



Cut shows Style No. 22 Oven, Open.

The "Standard" Knock-Down Oven is constructed on correct principles and is of the best material. The linings are securely fastened to side, end and top panels, forming positive *dead air spaces* (not flues, as in ordinary ovens). On account of this construction the heat is retained and most satisfactory baking is done, with least possible consumption of fuel.



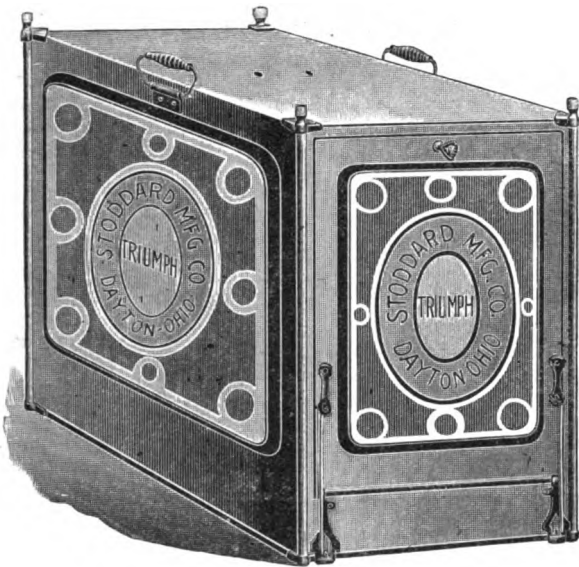
Cut shows Oven Packed.

This Oven is shipped knocked down and is made in such a manner that it can be put together easily and quickly. By shipping in compact form the freight rate is much lower and the Oven reaches its destination in better condition.

The "Standard" Oven is handsome in appearance and very heavy and durable.

THE "KINWOOD" KNOCK-DOWN OVENS.

BEST BLUE STEEL WITH ALASKA TRIMMINGS.



Code .....	Grandilt	Grandish
Style .....	End Door	Side Door
Length, inches.....	20	20
Height, inches.....	18	18
Width, inches.....	13	13
Each .....	\$3.00	3.00
Weight each, lbs.....	21	27
Shipping measurement each, cu. ft.	1½	1½½
One in a pasteboard box.		

Asbestos Lined.

Code.....	Granditor	Granditze	Grandizza
Numbers.....	60	65	70
Style.....	End Door	Side Door	Small Square
Length, inches.....	20	20	13
Height, inches.....	18	18	18
Width, inches.....	13	13	13
Each.....	\$2.25	2.25	2.00
Weight each, lbs.....	.....	.....	.....
Shipping measurement			
each, cu. ft.....	1½½	1½½	1½

The sides, ends and tops of No. 60, 65 and 70 are coated with asbestos, which gives the interior of these ovens a clean white appearance.

One in a pasteboard box.

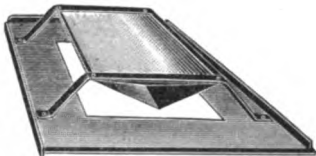
Cut shows Oven with End Door.

Each Oven is packed (knocked down) in a pasteboard box, and occupies but one-third the space of Oven set up.

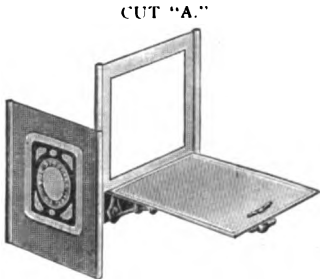
Ovens set up take first-class freight rate; knocked down, third-class. Less crating is required when shipped knocked down—all told, a great saving in freight charges.

Should any part become damaged, it can be replaced at small cost.

The edges of Panels are curled, to permit of shipping them one within the other (see cut "A"). After putting the sides and ends together the bottom and top are applied; then by means of bolts passed through the corners the Oven is firmly held together (see cut "B").



Deflector as it should be placed on oven bottom when in use.



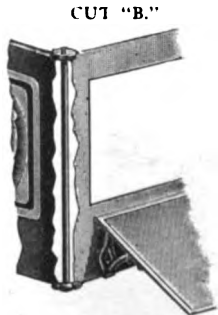
Side Panel with Door Panel partially inserted.



Oven packed in pasteboard box ready for shipping.



Deflector in shape for shipping.



View of corner showing root fastening.

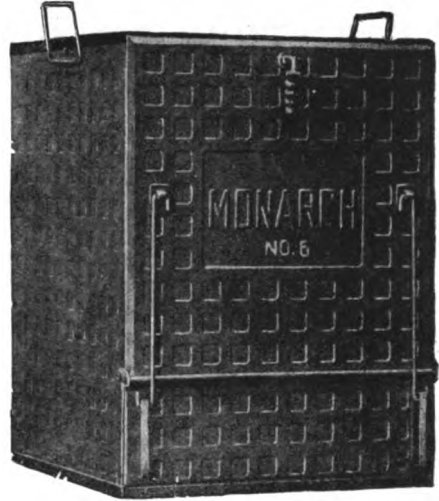
# **MONARCH ASBESTOS-LINED OVENS.**

FOR ONE BURNER.

EMBOSSED PLANISHED BLUE STEEL. ENAMELED  
STEEL TOP. AIR-CELL ASBESTOS LINING.

Code.....	Grandjean
Number.....	6
Height, inches.....	17 1/2
Width, inches.....	12 1/2
Length, inches.....	12 1/2
Each.....	\$2.75
Weight crated, lbs.,.....	20
Shipping measurement, cu. ft.....	1 1/2

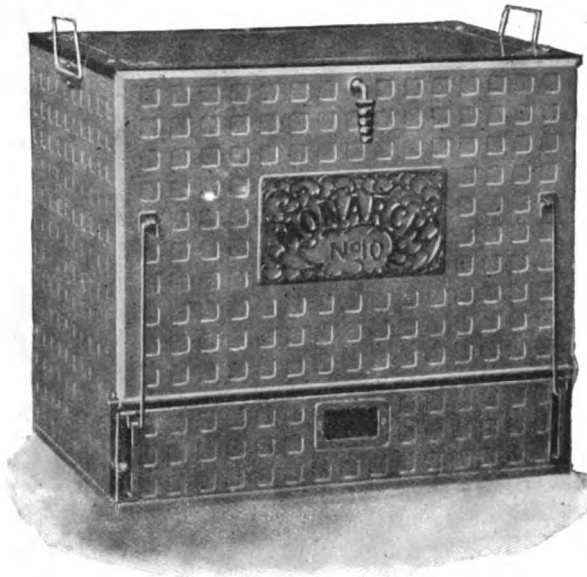
One in a crate.



# **MONARCH ASBESTOS-LINED OVENS.**

FOR TWO BURNERS.

EMBOSSED PLANISHED BLUE STEEL. ENAMELED STEEL TOP. AIR-CELL ASBESTOS LINING.



Code.....	Grandjohn
Number.....	7
Height, inches.....	17 1/2
Width, inches.....	12 1/2
Length, inches.....	20
Each.....	\$3.40
Weight each crated, lbs.,.....	27
Shipping measurement each, crated, cu. ft.....	1 1/2

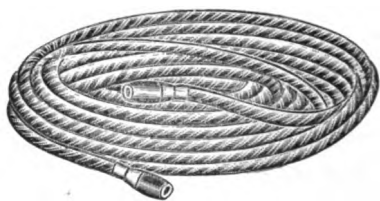
One in a crate.

## GAS STOVE TUBING.

MOHAIR COVERED, WITH WIRE INSERTION. PATENT  
RUBBER ENDS.  $\frac{3}{8}$  INCH DIAMETER.

Code ..... Grandkale  
Per foot..... \$0.06  $\frac{1}{2}$

We carry in stock 2, 4, 6, 8, 10, 12, 14 and 16-foot  
lengths. Lengths shorter than 4 feet are charged as being  
4 feet long.

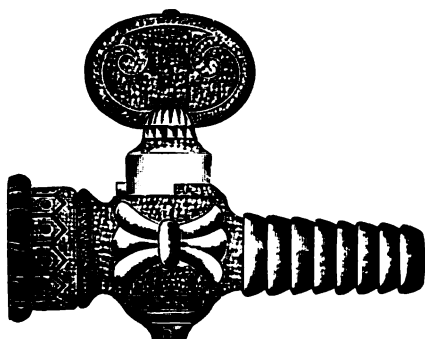


## HOSE COCKS.

BRASS. FOR MAKING GAS STOVE CONNECTIONS WITH  
RUBBER-TIPPED GAS TUBING. TO BE USED WHERE  
NO GAS JET EXTENDS FROM THE WALL.

Code.....	Grandkest	Grandkeza	Grandkile
Inch.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$
Per dozen.....	\$4.25	4.55	4.90

Loose.

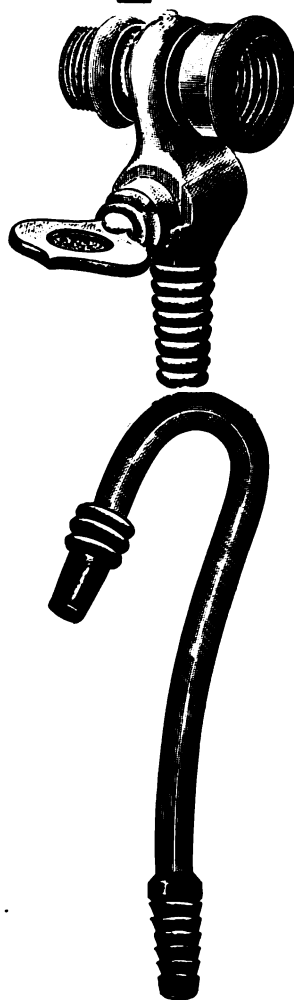


## INDEPENDENT COCKS.

BRASS. FOR MAKING GAS STOVE CONNECTIONS WITH  
RUBBER-TIPPED GAS TUBING. CAN BE ADJUSTED  
TO ANY SIDE BRACKET WITHOUT INTER-  
FERING WITH THE LIGHT.

Code.....	Grandkino
Inch.....	$\frac{3}{8}$
Per dozen.....	\$8.50

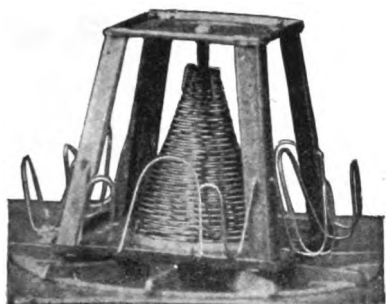
Loose.



## COMBINATION STOCK NECKS.

POLISHED BRASS. CONNECTS WITH PILLAR BURNER  
BY REMOVING LAVA TIP. TO BE USED WITH  
RUBBER-TIPPED GAS TUBING.

Code.....	Grandkulp
Per dozen.....	\$3.00



## JIM'S TOASTERS.

FOR GASOLINE AND GAS STOVES.

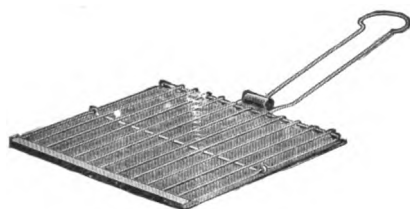
Toasts evenly and quickly, without smoke or smell,  
four slices in two minutes over one flame.

Code .....	Grandlede
Bottom, inches .....	5 1/2 x 5 1/2
Height, inches .....	5
Per dozen .....	\$4.50
Weight per dozen, lbs. ....	9

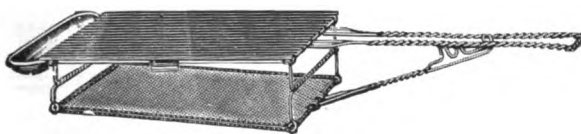
## URANN'S TOASTERS.

FOR GAS, GASOLINE OR COAL OIL STOVES.

Sheet Steel Bottom prevents flame from reaching food.  
Can be used on any Stove for Toasting or Broiling.



Code .....	Grandmalk
Inches .....	9 x 12
Per dozen .....	\$6.00
Weight per dozen, lbs. ....	7



## "IDEAL" BROILERS.

FOR GAS, GASOLINE OR OIL STOVES.

Corrugated Steel Broilers. Perforated Steel and Wire Gauze Guards. Grid can be  
adjusted 1/2, 1, 1 1/2 and 2 inches from Guard.

Code .....	Grandoge
Number .....	181
Inches .....	8 1/4 x 10 1/2
Per dozen .....	\$10.50
Weight per dozen, lbs. ....	24
Shipping measurement per dozen, cubic feet .....	2

One-third dozen in a box.

**NORTH'S BROILERS.**

FOR GAS, GASOLINE OR OIL STOVES. CLEAR, SMOOTH CAST IRON. TIN COVER. WILL BROIL AS WELL AS A CHARCOAL FIRE. PRESERVES ALL THE JUICES.



Sold only with the cover.

Code .....	Grandritt
Diameter, inches .....	<b>10</b>
Height, inches.....	<b>3</b>
Per dozen.....	<b>\$12.00</b>
Weight per crate, lbs.....	<b>30</b>
Shipping measurement per crate, cubic feet .....	<b>1 1/4</b>

One dozen in a crate.

**NORTH'S SAD IRON HEATERS.**

FOR GAS, GASOLINE OR OIL STOVES. SMOOTH CAST IRON. VENTILATED. FOUR IRONS CAN BE HEATED AT ONCE.

Code .....	Grandbrook
Diameter of base, inches.....	<b>7 3/4</b>
Height, inches.....	<b>6 3/4</b>
Per dozen .....	<b>\$8.00</b>
Weight per doz., lbs.....	<b>30</b>

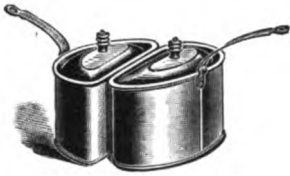
One-half dozen in a crate.

**AMERICAN DEEP RING WAFFLE IRONS.**

FOR GAS, GASOLINE OR OIL STOVES. JAPANNED RINGS

Code .....	Grandruth
Number .....	<b>8</b>
Diameter of ring, inches.....	<b>10 3/8</b>
Height of ring, inches.....	<b>4</b>
Per dozen.....	<b>\$17.50</b>
Weight per doz., lbs.....	<b>128</b>





### COMBINATION "DOUBLE" TIN SAUCE PANS—IX.

FOR GAS, GASOLINE OR OIL STOVES.

Code.....	Grandsalt
Capacity each pan, pints.....	5
Per dozen sets .....	\$7.00
Weight per dozen sets, lbs.....	18



### COMBINATION "TRIPLE" TIN SAUCE PANS—IX.

FOR GAS, GASOLINE OR OIL STOVES. THE THREE  
WILL BOIL VERY QUICKLY OVER ONE FLAME.

Code.....	Grandsput
Capacity each pan, pints.....	6
Per dozen sets .....	\$12.00
Weight per dozen sets, lbs.....	30



### COMBINATION "DOUBLE" SAUCE PANS.

FOR GAS, GASOLINE OR OIL STOVES. GRAY  
ENAMELED STEEL. TIN COVERS.

Code.....	Grandwage
Number .....	1
Capacity each pan, pints.....	5
Per dozen sets .....	\$42.00
Weight per dozen sets, lbs.....	30

One dozen sets in a case.



### COMBINATION "TRIPLE" SAUCE PANS.

FOR GAS, GASOLINE OR OIL STOVES. GRAY  
ENAMELED STEEL. TIN COVERS. THREE DIFFERENT  
ARTICLES RAPIDLY COOKED OVER ONE  
FLAME AT THE SAME TIME.

Code.....	Grandzalk
Number .....	10
Capacity each pan, pints.....	6
Per dozen sets .....	\$60.00
Weight per dozen sets, lbs.....	42

One dozen sets in a case.

**ORIENT OIL HEATERS.**

FULL NICKEL. REMOVABLE TOPS. FOR COAL OIL.



A novel application of a Central Draft Lamp, furnishing both heat and light at one expense and very little cost.

The heat being reflected and deflected into the room at the floor, the coldest air is first warmed, causing the greatest possible circulation, warming the room in less time and more perfectly than any other Oil Heater, and without odor.

By removing the cover water can be boiled upon it in a few minutes. Potatoes and other foods can be baked by putting on top of the stove, under the cover, which virtually forms an oven.

The stove can easily be carried from one room to the other and is an article of comfort and economy.

Code .....	Granlante	Grasbloke
Numbers.....	<b>10</b>	<b>20</b>
Capacity of lamp, quarts.....	<b>2</b>	<b>4</b>
Diameter of base, inches.....	<b>14</b>	<b>18</b>
Height inches.....	<b>32</b>	<b>38</b>
Each.....	<b>\$6.00</b>	<b>8.00</b>
Weight each, lbs.....	<b>15</b>	<b>20</b>
Shipping measurement per crate, cubic feet.....	<b>2 1/2</b>	<b>2 3/4</b>

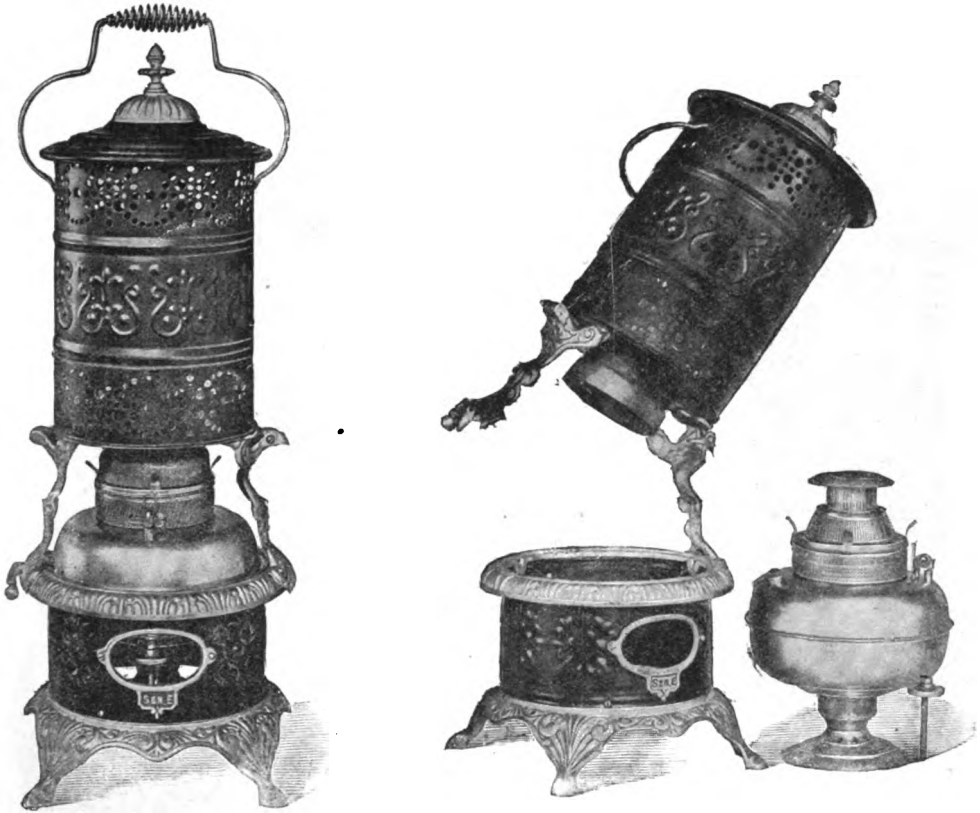
One in a crate.

Shipped knocked down, unless otherwise ordered.



**"NEW PROCESS" OIL HEATERS.**

FOR COAL OIL. ONE GALLON OF OIL BURNS EIGHT HOURS.



The above cuts represent the "New Process" Oil Heater, which is suitable for use in bedrooms, bath-rooms, dining-rooms, offices, summer resorts, or wherever moderate heat is required without a flue in connection.

**DESIGN AND CONSTRUCTION.**

The design is attractive. Materials and workmanship are first-class throughout. The fount is made of brass, heavily nickel-plated and will hold enough oil for eight hours' burning. It can easily be removed for cleaning. The burner is brass and can be rewicked with remarkable ease. The drum is Russia iron. The wick raiser is strong and positive in action. The fount is provided with an indicator showing at all times the amount of oil in reservoir. The heater is provided with a bail for convenience in handling. Has improved smokeless device.

**OPERATION.**

The "New Process" Oil Heater produces a white flame, smokeless and odorless, of great intensity and heating power. It is light and portable and can be put just where it is needed most. It will comfortably heat in cold weather a room of ordinary size.

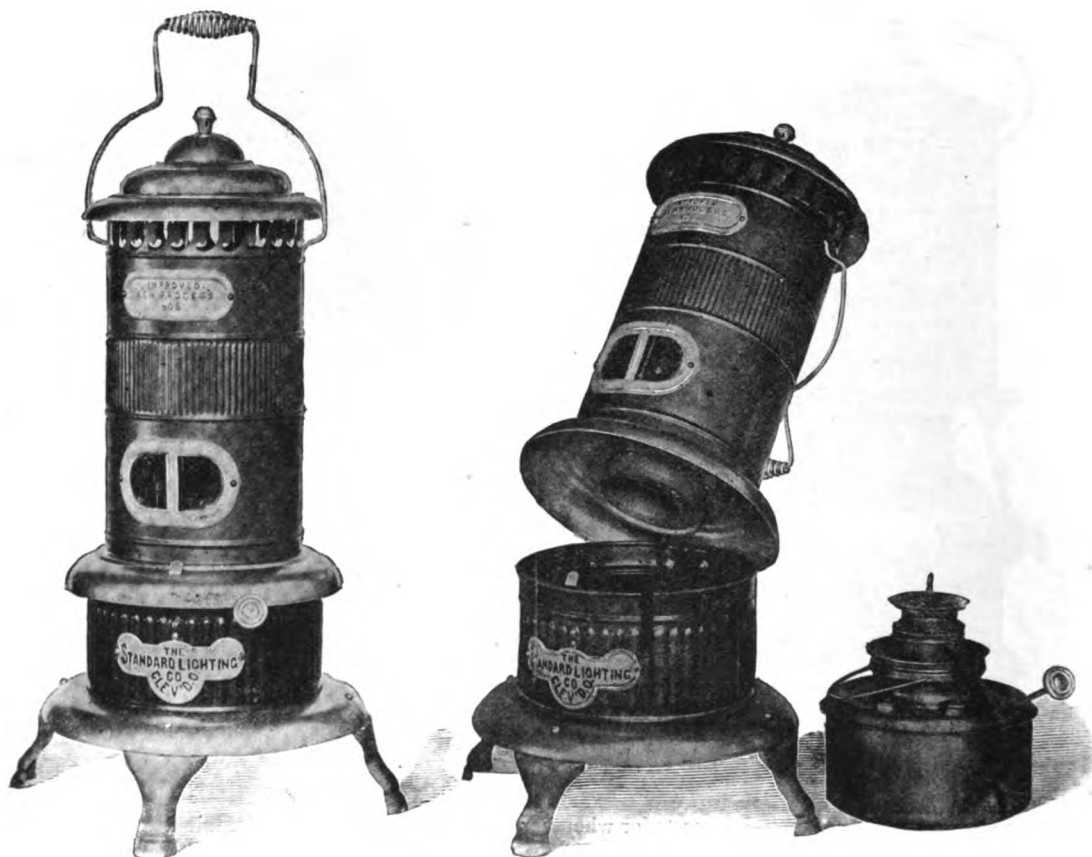
Code .....	Grasiers
Number.....	<b>10</b>
Capacity of fount, quarts.....	4
Diameter of drum, inches.....	9 $\frac{1}{4}$
Diameter of base, inches.....	14
Height, inches (bail down).....	30 $\frac{3}{8}$
Each.....	<b>\$8.00</b>
Weight per case, lbs.....	23
Shipping measurement, cubic feet.....	2 $\frac{7}{12}$

One in a case.

For list of repairs see page 411.

## "NEW PROCESS" OIL HEATERS.

FOR COAL OIL.



Founts hold one gallon. Take No. 2 Globe Wicks. Plain Black Finish.

The Founts are made of Heavy Steel and have indicators to show the amount of oil.

The smokeless device is one that has been thoroughly tested, and obviates much that has been found objectionable in other oil heaters.

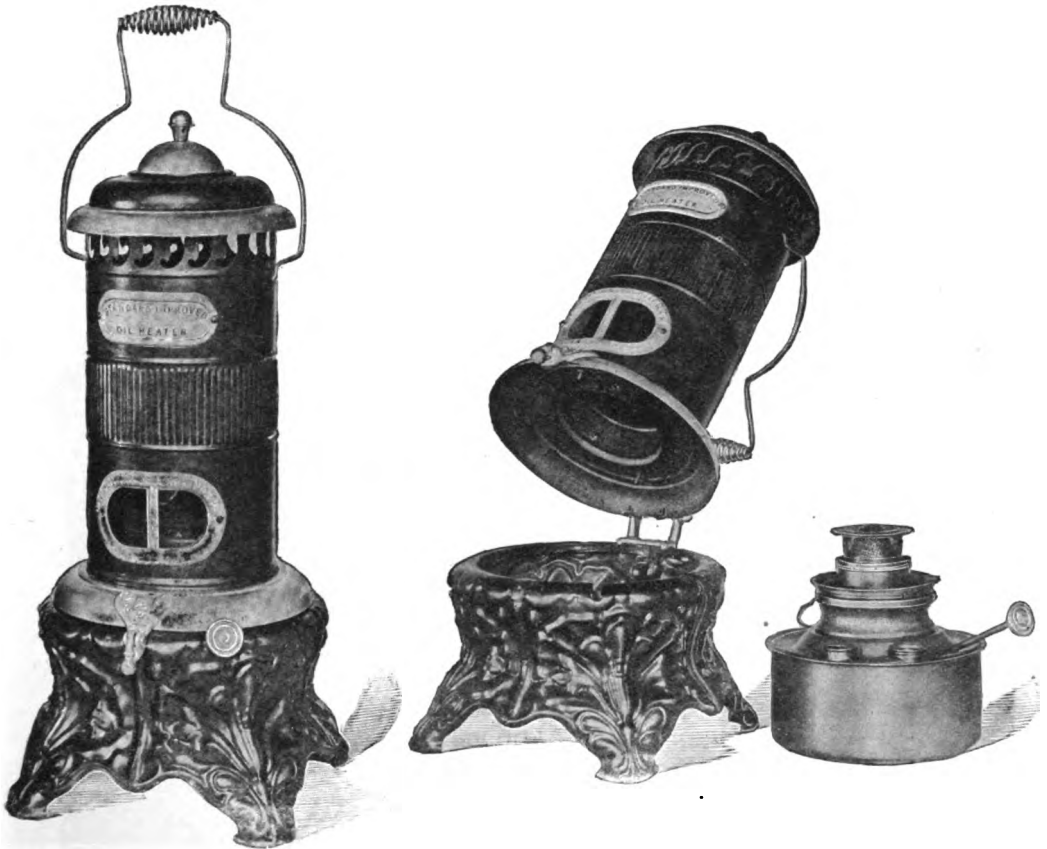
"New Process" Smokeless Oil Heaters produce intense heat without smoke. They are self-extinguishing. The flame cannot climb up and smoke after the burner becomes heated, as on the old styles of oil heaters. They are safe and simple as a lamp in construction, are provided with a bail with which they can be carried to any part of the house. Made of sheet metal and are light and durable. The founts are removable for cleaning and filling.

Code.....	Grasilame
Number .....	20
Capacity of fount, quarts.....	4
Diameter of drum, inches.....	9 1/4
Diameter of base, inches.....	14
Height, inches (bail down).....	30
Each .....	\$5.00
Weight, per crate, lbs.....	18
Shipping measurement, cubic feet.....	2 3/4

One in a crate.

**"STANDARD" OIL HEATERS.**

FOR COAL OIL.



Founts hold one gallon. Take No. 2 Globe Wick.

In constructing this heater especial attention has been given to its efficiency in operation. It produces a pure white flame of great intensity and heating power.

The "Standard" is well proportioned and handsome in appearance.

The upper drum is made of planished steel, and nicely ornamented. The base is made of stamped sheet steel and antique copper finished. Though massive in appearance, is light in weight and very rigid. The lower part of the fount is stamped in one piece of steel heavily coated and lacquered inside, thereby avoiding all leaks. The wick holder and raising device are new, simple and desirable features.

We recommend the "Standard" as being a first-class heater in every respect.

Code.....		Grasseri
Number .....		17
Capacity of fount, quarts.....		4
Diameter of drum, inches.....		8 $\frac{3}{4}$
Diameter of base, inches.....		14
Height, inches (bail down).....		28
Each .....		\$5.00
Weight, per crate, lbs.....		17
Shipping measurement, cubic feet.....		2 $\frac{3}{4}$

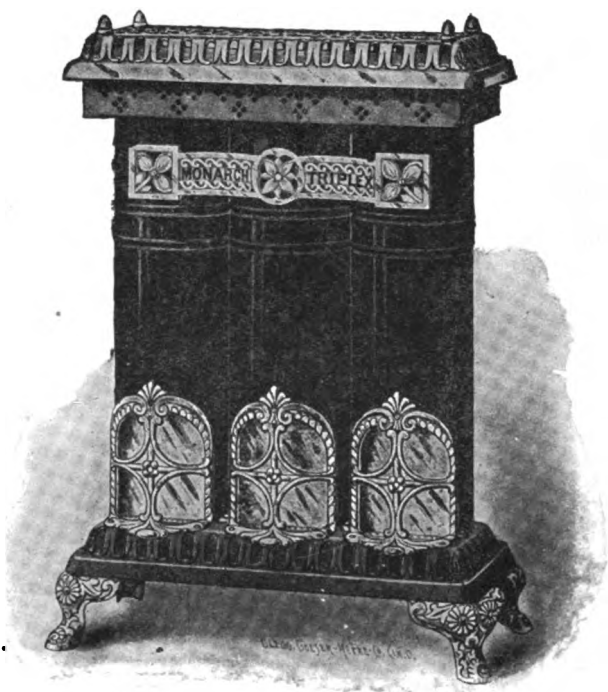
One in a crate.

**Repairs for No. 10 "New Process" Oil Heaters.**

Name of Part.	Price.	Code.	Name of Part.	Price.	Code.
Bail.....	\$0.25	Grassock	Lamp.....	\$4.50	Grastull
Cast Base.....	.75	Grastabe	Ornament and Knob.....	.25	Gratabid
Cover for Drum.....	.45	Grastack	Outside Wick Tube.....	.25	Grataphor
Flame Spreader.....	.45	Grastome	No. 2 Perforated Heads...	.45	Gratares

“TRIPLEX” GAS STOVES.

WITH NICKEL TOPS, FEET, MICA FRAMES AND FRONT ORNAMENTS. ASBESTOS-COVERED BACK WALLS.



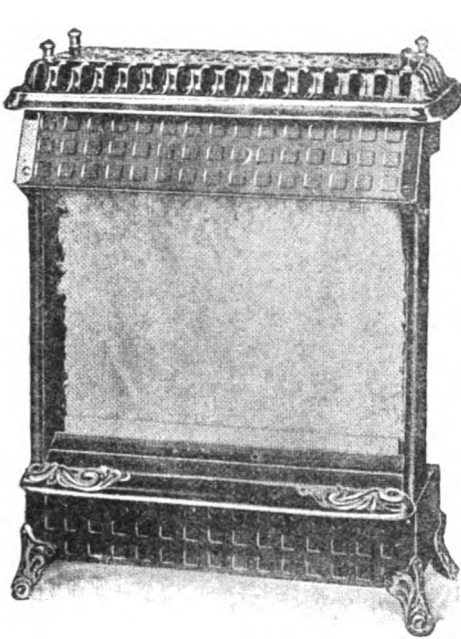
Three 6-inch Russia iron radiator pipes within which are located smaller tubes, each flattened at the lower end, forming the back walls of the burners as shown through the mica windows.  
The heated air passes up and around these tubes, heating also the current of air within, which is taken from the floor, discharging it through the open work nickeled top.  
This is a strong combination and a handsome heater.

Code.....	Gratensift
Number .....	<b>68</b>
Height, inches.....	<b>34</b>
Width, inches.....	<b>24</b>
Each.....	<b>\$12.00</b>
Weight per crate, lbs.....	<b>44</b>
Shipping measurement, cubic feet.....	<b>5<math>\frac{3}{4}</math></b>

One in a crate.

**COMBINATION GAS HEATERS.**

WITH LOW-DOWN ATMOSPHERIC BURNERS. CAST RADIATOR TOPS, FEET, FOOT RAILS AND  
 CORNER ORNAMENTS NICKEL-PLATED. POLISHED BRASS BOTTOM AND SIDE  
 REFLECTORS. HANDSOMELY EMBOSSED RUSSIA BODIES.



Front View.



Back View.

Code.....	Gratofend
Number.....	<b>67</b>
Height, inches.....	26
Opening, inches.....	20x18
Each.....	<b>\$12.00</b>
Weight each crated, lbs.....	35
Shipping measurement each, cubic feet.....	4½

One in a crate.

The above is a combination of an open Fire Place and a Radiator. All the heat not directly radiated from the asbestos back wall in ascending enters a top chamber, thence down the two outer rear flues to the lower chamber, and thence up the two middle flues and out.

**“TIP-TOP” GAS HEATERS.**

WITH LOW-DOWN ATMOSPHERIC BURNERS. CAST RADIATOR TOP, FEET AND CORNERS  
NICKEL-PLATED. POLISHED BRASS SIDES AND BOTTOM REFLECTORS.



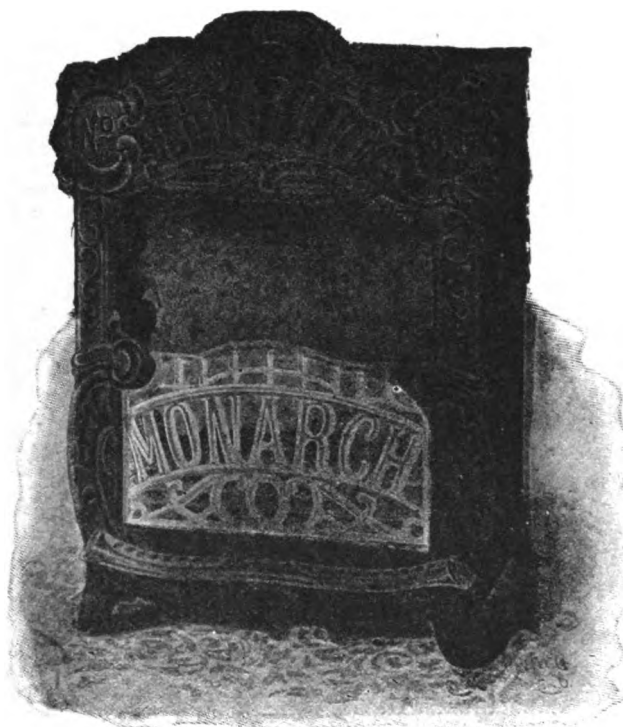
Code.....	Graukesse
Number.....	69
Height, inches.....	26
Opening, inches.....	20x18
Each.....	\$9.50
Weight per crate, lbs.....	.....
Shipping measurement per crate, cubic feet.....	.....

One in a crate.

The above stove has the same body, burners and asbestos back wall as No. 67, but is without the radiator tubes at rear. To meet a demand for a lower-priced heater with large back wall surface.

**POPULAR GAS HEATERS.**

CAST FENDERS AND FOOT RAILS NICKEL-PLATED. RUSSIAN IRON BODIES. POLISHED BRASS SIDE  
AND BOTTOM REFLECTORS. CARVED CAST FRONTS.



Cut shows No. 66.

Code.....	Graunbeer	Graungeld
Numbers.....	<b>65</b>	<b>66</b>
Height, inches.....	24	24
Width, inches.....	17	17
Opening, inches.....	13x12	13x12
Each.....	\$6.80	6.80
Weight per crate, lbs.....	26	26
Shipping measurement per crate, cubic feet.....	3½	3½

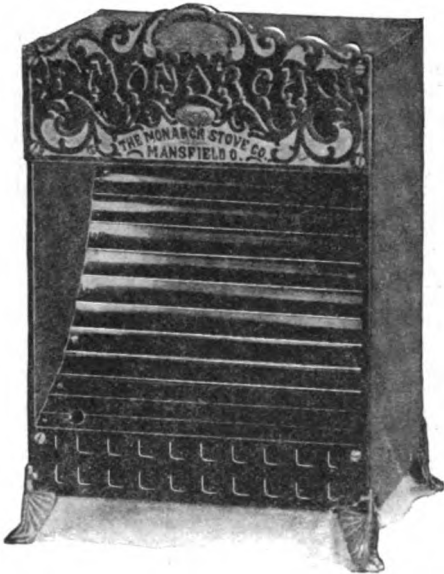
One in a crate.

No. 65 has polished corrugated back wall. Equipped with top illuminating burner.

No. 66 has asbestos-covered back wall. Equipped with low-down atmospheric burner.

**LITTLE GIANT GAS HEATERS.**

RUSSIA IRON BODIES. CAST POLISHED NICKELED FRONTS AND FEET.



Cut shows No. 60

Code.....	Graunholt	Grauntige
Numbers.....	<b>60</b>	<b>61</b>
Height, inches.....	19	19
Width, inches.....	14	14
Opening, inches.....	13½x11	13½x11
Each.....	\$5.20	5.20
Weight per crate, lbs.....	15	15
Shipping measurement per crate, cubic feet.....	2⅝	2⅝

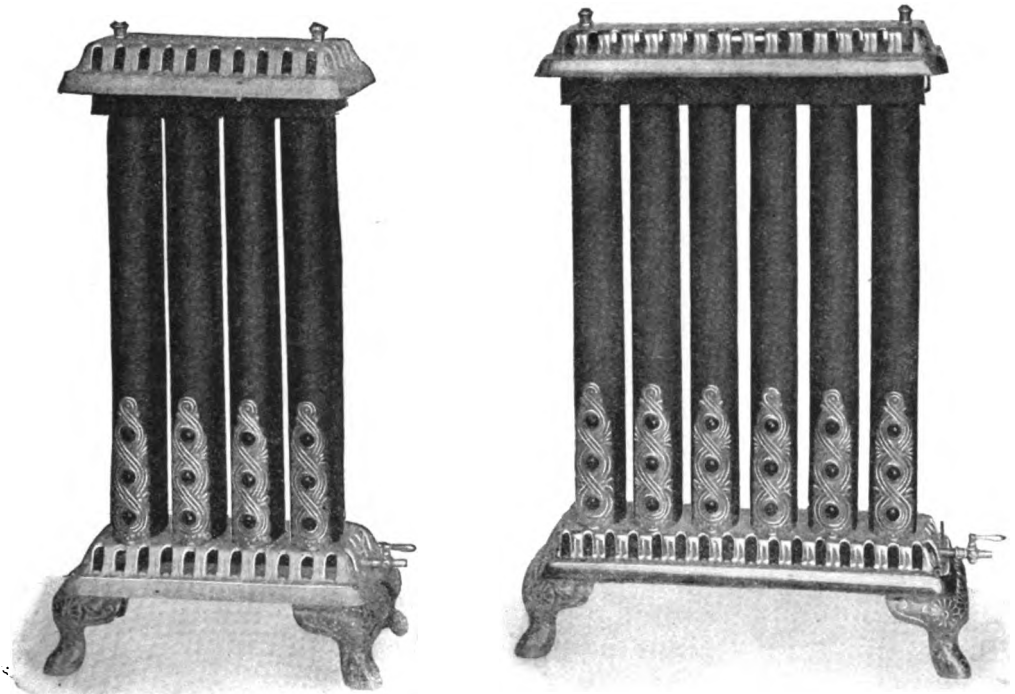
One in a crate.

- No. 60 has polished corrugated back wall. Equipped with improved burner.
- No. 61 has asbestos fibre back wall. Equipped with atmospheric burner.



## "MONARCH" GAS RADIATORS.

RUSSIA IRON TUBES. CUT-FACED JEWELS. EACH TUBE EQUIPPED WITH TWO 3-FOOT SCOTCH TIP ILLUMINATING BURNERS. PROVIDED WITH LIGHTING DAMPERS.



No. 44

No. 46

Code.....	Graustub	Grautalta	Grautgab	Grauthem
Numbers.....	<b>44B</b>	<b>44D</b>	<b>46B</b>	<b>46D</b>
Number of tubes.....	4	4	6	6
Height, inches.....	32	32	32	32
Width, inches.....	14½	14½	20	20
Each .....	\$6.40	5.60	8.40	7.60
Weight per crate, lbs.....	27	27	35	35
Shipping measurement per crate, cubic feet.....	2⅝	2⅝	3⅜	3⅜

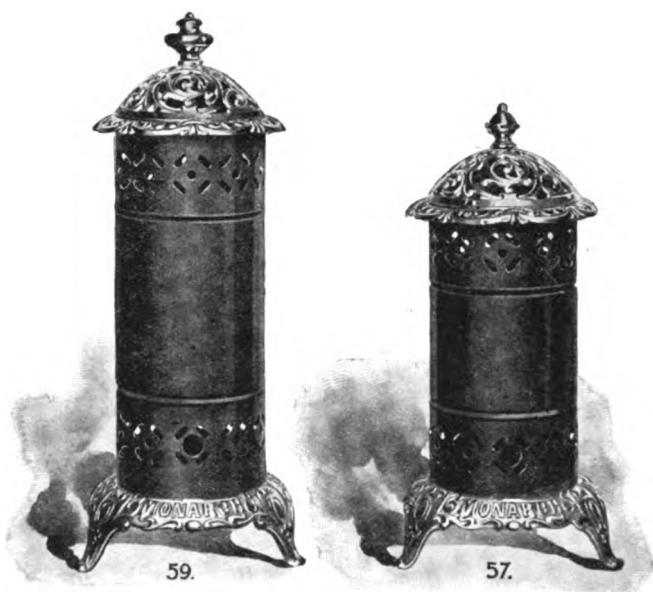
One in a crate.

Nos. 44B and 46B Full Nickeled Tops, Bases, Feet and Jewel Frames.

Nos. 44D and 46D Aluminum Finished Tops and Bases, Nickled Feet and Jewel Frames.

## “MONARCH” ROUND GAS HEATERS.

RUSSIA IRON BODIES. TOPS AND BASES ALUMINUM FINISHED. SWING-OFF TOPS. SEAMLESS BRASS  
8-ARM STAR BURNERS.

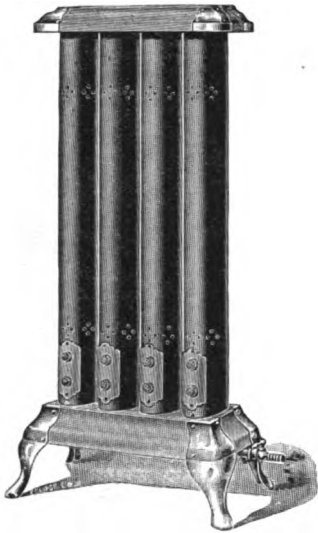


Code .....	Grautklid	Grautrink
Numbers.....	<b>57</b>	<b>59</b>
Diameter, inches.....	7	7
Height, inches.....	21	25
Each.....	<b>\$2.50</b>	<b>2.80</b>
Weight per crate, lbs.....	12	15
Shipping measurement per crate, cubic feet.....	1 1/2	2

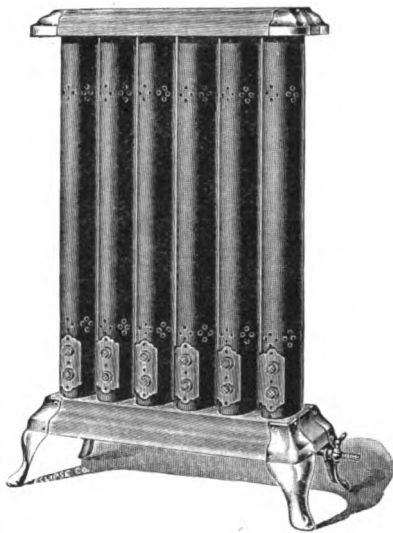
One in a crate.

**"PURITAN" GAS RADIATORS.**

ALL STAMPED STEEL. CUT-FACED JEWELS. RUSSIA TUBES. HIGHLY NICKEL-PLATED. REMOVABLE BURNERS. PROVIDED WITH 2 SCOTCH TIPS IN EACH TUBE.



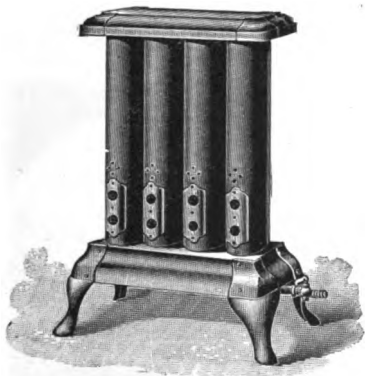
No. 400 H.



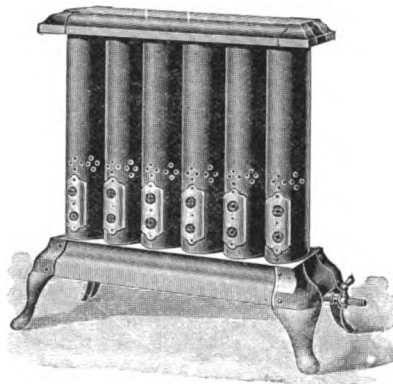
No. 600 H.

Code.....	Gratsupe	Grautzet
Numbers.....	<b>400 H</b>	<b>600 H</b>
Number of tubes.....	4	6
Height, inches.....	31	31
Width, inches.....	14½	20
Each.....	\$5.00	6.50
Weight per crate, lbs.....	21	26
Shipping measurement per crate, cubic feet.....	3	3½

One in a crate.



No. 400 L.



No. 600 L.

Code.....	Gravado	Gravator
Numbers.....	<b>400 L</b>	<b>600 L</b>
Number of tubes.....	4	6
Height, inches.....	19	19
Width, inches.....	14½	20
Each.....	\$5.00	6.50
Weight per crate, lbs.....	18	23
Shipping measurement per crate, cubic feet.....	1½	2½

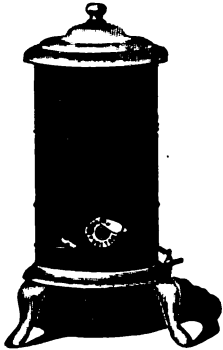
One in a crate.

**“PURITAN” ROUND GAS  
HEATERS.**

ALL STAMPED STEEL. RUSSIA BODIES. NICKELED  
TOPS, BASES AND LEGS. DRILLED BRASS 8-ARM STAR  
BURNERS.

Code.....	Graveard
Number.....	<b>15</b>
Diameter, inches.....	6
Height, inches.....	17
Each.....	<b>\$2.00</b>
Weight per crate, lbs.....	20
Shipping measurement per crate, cubic feet .....	1½

Three in a crate.

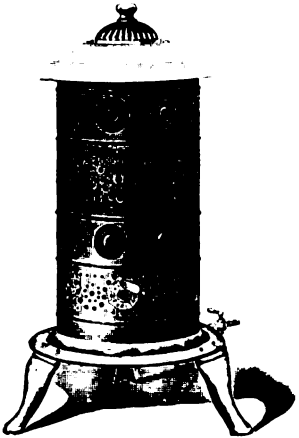


**“PURITAN” ROUND GAS  
HEATERS.**

ALL STAMPED STEEL. RUSSIA BODIES. NICKELED  
TOPS, BASES AND LEGS. DRILLED BRASS 8-ARM STAR  
BURNERS.

Code.....	Graveard
Number.....	<b>25</b>
Diameter, inches.....	8
Height, inches.....	25
Each.....	<b>\$3.00</b>
Weight per crate, lbs.....	12
Shipping measurement per crate, cubic feet .....	1¾

One in a crate.



## SUN HEATERS.

FOR GAS OR LAMPS, GIVING BOTH LIGHT AND HEAT.

**Will fit any Gas Bracket, Fixture or Lamp, easy to adjust and cannot get out of order.  
No smoke! No Dirt! No Smell! No Dust!**



The Sun Heater will heat any ordinary room of about 1500 cubic feet with one gas jet or lamp. It is indispensable for quickly heating the bathroom or bedroom and very useful in the sick room for warming food. A good thing for heating shaving water, keeping windows from freezing, and a hundred other uses. It is excellent for hair dressers for drying the hair.

Diameter of Heater, 9 inches. Weight, 2½ lbs.

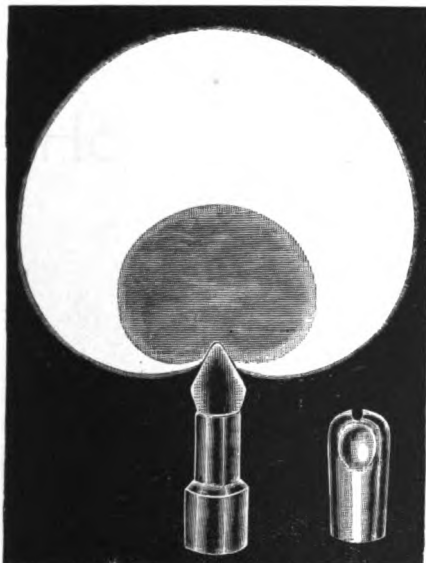
Height of nickel-plated stand, 18 inches closed, can be extended to 36 inches. Weight each, 1 lb.

Code.

Gravade.....Sun Heater, with brass holder.....Each, \$2.00

Gravule.....Nickel-plated Stand to hold heater over lamp ..... " 2.00

Heaters packed one in a box.



## BRILLIANT ALUMINUM GAS TIPS.

A flame from these tips does not blow at the sides and will not Break, Smoke or Burn chimneys or globes.

Code.....Gravyard

Capacity of gas per hour, cubic feet..... 6

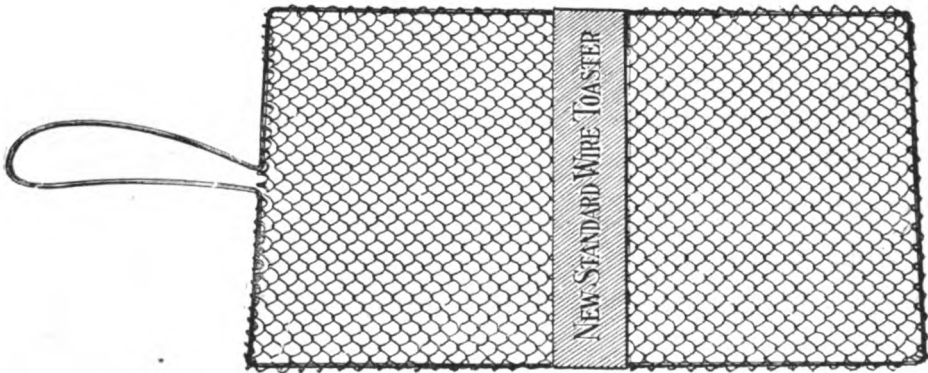
Per gross..... \$3.50

The best style of Tip for use with "Sun Heaters."



## SECTION 13.

### WIRE GOODS.



HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES

AND NEW YORK

## WIRE GOODS.

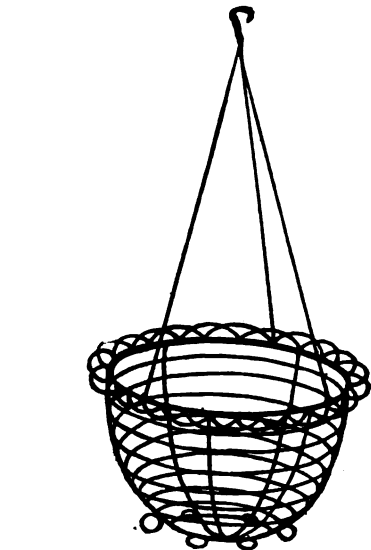
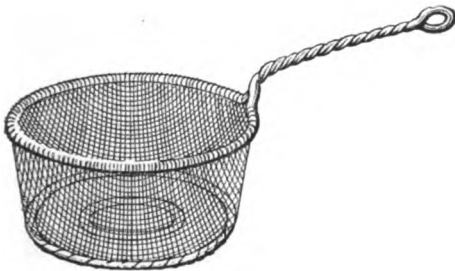
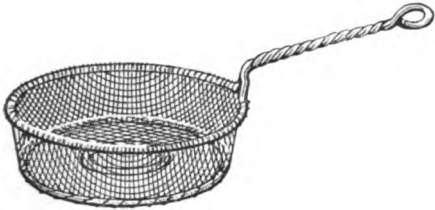
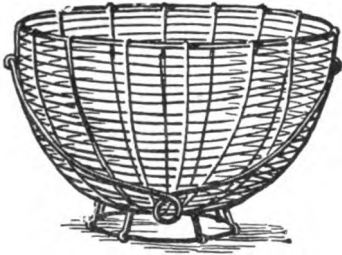
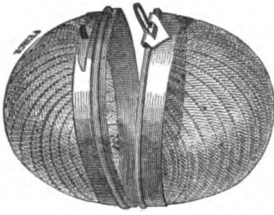
In spite of the greatly increased competition and the large output of inferior quality of goods in this line as well as other lines we aim to handle only the best grade purchased from manufacturers that maintain an excellence of workmanship and finish.

In ordering these goods by telegraph it is only necessary to use the code word over the number or size of the article wanted in this section preceded by words from the telegraphic code in front of this book.

Example: Cubia aciereux greischol.

Translation: Ship via Sante Fe Railroad twenty-five dozen number two heavy Diamond Egg Whips.





## TEA OR COFFEE BALLS.

IMPROVED HINGES MADE OF WIRE THAT WILL NOT RUST.

Code .....	Grawling	Grayade	Grayers	Grazilet
Numbers.....	<b>1</b>	<b>2</b>	<b>8</b>	<b>4</b>
Inches.....	1 ¼	2 ½	2 ½	2 ¾
Per dozen.....	\$2.50	3.50	4.50	5.50
Weight per dozen, lbs..	1	1 ½	1 ¼	1 ½

Papered separately in tissue.

One dozen in a box.

## PRUNE-DIPPING BASKETS.

MADE OF STEEL WIRE. GALVANIZED AFTER BEING MADE. STRONG AND DURABLE.

Code.....	Grebirch	Grechime	Grechnut	Grechtan
Diameter, inches.....	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>
Each.....	\$3.00	3.50	4.00	5.00
Weight each, lbs.....	6	7	8	9

## DEEP FRYING BASKETS.

MESH WIRE. HEAVILY TINNED.

Code.....	Gredalor	Gredost	Gredoule
Numbers.....	<b>9H</b>	<b>10H</b>	<b>12H</b>
Top diameter, inches.....	9	10	11 ½
Bottom diameter, inches.....	7 ¾	7 ¾	9 ½
Depth, inches.....	2 ½	2 ¾	2 ¾
Per dozen.....	\$4.50	5.50	6.50
Weight per dozen, lbs.....	.....	.....	.....

## EXTRA DEEP FRYING BASKETS.

MESH WIRE. HEAVILY TINNED.

Code.....	Greekbar	Greekstag	Greektwig
Numbers.....	<b>9J</b>	<b>10J</b>	<b>12J</b>
Top diameter, inches.....	9 ¾	10	11 ½
Bottom diameter, inches.....	6 ¾	7 ¾	9 ¾
Depth, inches.....	3 ¾	3 ½	3 ¾
Per dozen.....	\$5.25	6.25	7.25
Weight per dozen, lbs.....	.....	.....	.....

## HANGING BASKETS.

PAINTED GREEN. STRONG AND DURABLE.

Code.....	Grefolk	Greideld	Greidint
Numbers.....	<b>1</b>	<b>2</b>	<b>8</b>
Inches.....	8	9	10
Per dozen.....	\$3.00	3.50	4.00
Weight per dozen, lbs.....	7	9	12

One dozen in a package.

**SPONGE BASKETS.**

HEAVY. BEST AMERICAN GRADE.

Code.....	Greigare	Greigolde
Numbers.....	1	2
Inches.....	7x4	8x5½
Per dozen.....	\$4.50	6.00
Weight per dozen, lbs.....	2¾	4

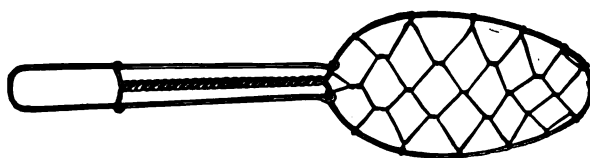
One half dozen in a package.

**SPIRAL EGG BEATERS.**

BLACK ENAMELED HANDLES. RETINNED STEEL WIRE.  
THE BEST AND CHEAPEST EGG BEATERS  
IN THE WORLD.

Code.....	Greiking
Per dozen.....	\$1.00
Weight per dozen, lbs.....	1½

One dozen in a package.

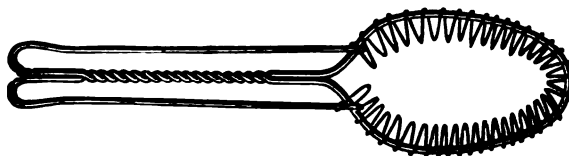
**DIAMOND EGG WHIPS.**

Code.....	Greikunt	Greischol
Numbers.....	0 Extra Light	2 Heavy
Inches.....	10½	11
Per dozen.....	\$0.50	1.00
Weight per dozen, lb.....	½	1

One dozen in package.

**ELECTRIC EGG WHIPS AND CAKE MIXERS.**

LIGHT.



Code.....	Greistern
Number.....	1
Inches.....	10½
Per dozen.....	\$0.70
Weight per dozen, lb.....	¾

One dozen in a package.

## SENSIBLE EGG WHIPS AND CAKE MIXERS.

STRONG AND DURABLE.

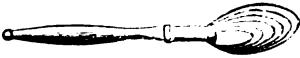


Code .....	Greitfang	Greithorz
Numbers .....	<b>0</b>	<b>2</b>
Inches .....	9	13
Per dozen .....	\$1.25	2.10
Weight per dozen, lbs. ....	1½	4½

One dozen in a package.

## SPOON EGG BEATERS.

WOOD HANDLES.

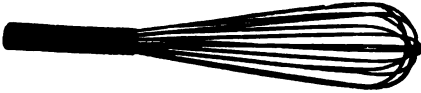


Code.....	Greitlipt	Greitmale
Numbers.....	<b>1 Red Handle</b>	<b>2 Black Handle</b>
Inches .....	10½	12
Per dozen.....	\$0.90	1.00
Weight per dozen, lbs. ....	1¼	1½

One dozen in a package.

## CALIFORNIA EGG WHIPS.

NO. 12 GAUGE. TINNED STEEL WIRE.



Code.....	Greitnast	Greitwinke	Gremoist
Inches .....	<b>14</b>	<b>16</b>	<b>18</b>
Per dozen .....	\$5.00	5.50	5.50
Weight per dozen, lbs. ....	5	6	7

One dozen in a package.

## FRENCH EGG WHIPS.

EXTRA HEAVY, WITH WIRE BRACE. NO. 10 GAUGE.

TINNED STEEL WIRE.



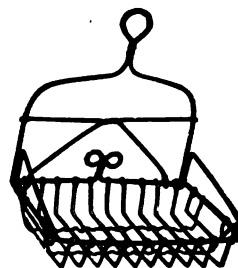
Code.....	Grenale	Grendix	Grenique
Numbers .....	<b>2</b>	<b>3</b>	<b>4</b>
Inches .....	14	16	18
Sizes of wire.....	14	13	13
Per dozen .....	\$6.50	8.50	9.00
Weight per dozen, lbs. ....	5½	6	7

One dozen in a package.

**SOAP BRACKETS.**

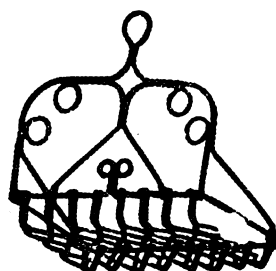
SILVER LUSTER. LIGHT.

Code .....	Grennglar
Number .....	0
Inches .....	6½ x 4½
Per dozen .....	\$1.50
Weight per dozen, lbs. ....	1¾
One dozen in a box.	

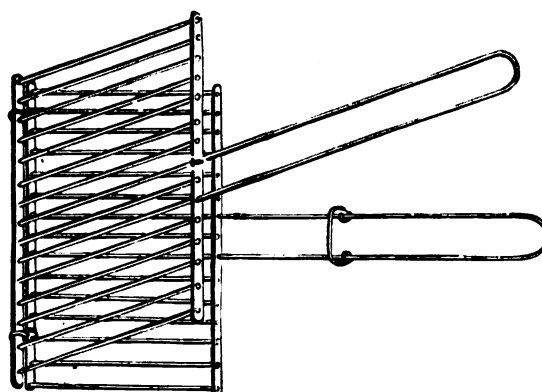
**SOAP BRACKETS.**

SILVER LUSTER. HEAVY.

Code .....	Grennhite
Number .....	1
Inches .....	6½ x 4½
Per dozen .....	\$4.00
Weight per dozen, lbs. ....	3½
One dozen in a box.	

**EXTRA HEAVY WIRE BROILERS.**

RETINNED.

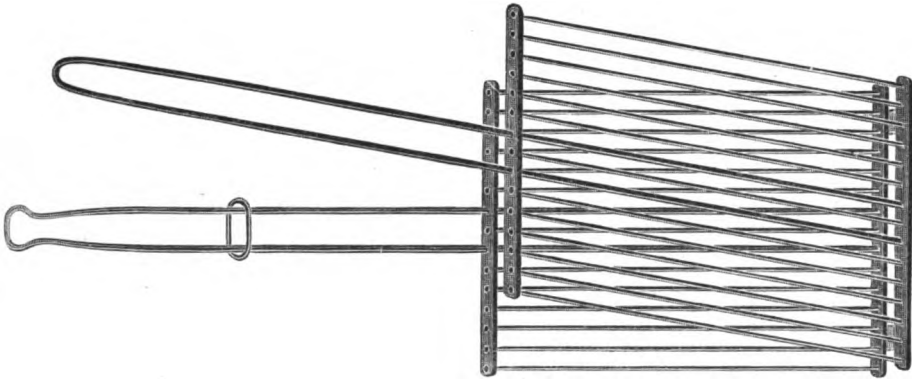


Code .....	Grennkole	Grennstal	Grenzoch	Grescian	Gresillen	Gretonase
Numbers .....	20	21	22	23	24	25
Inches .....	9x7	11x8	12¼x9	14½x10	15x11	16½x12¼
Per dozen .....	\$10.25	11.80	13.40	15.75	18.10	21.25
Weight per dozen, lbs. ....	19½	25	32	45	45	61½

One-sixth dozen in a package.

**EXTRA HEAVY WIRE RANGE BROILERS.**

RETINNED.

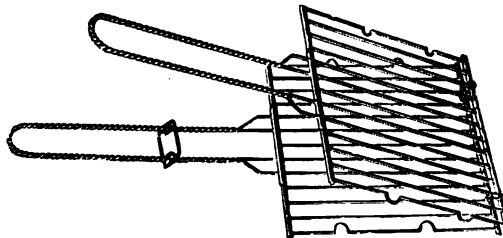


Code .....	Grettery	Gretterwef	Grettklot	Grettnage
Numbers .....	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Inches .....	9¾x7	12x8½	14x10	16x11½
Per dozen .....	\$9.50	11.40	15.20	17.10
Weight per dozen, lbs.....	60	63	72	84

One-sixth dozen in a package.

**SHERWOOD'S STANDARD REVERSIBLE BROILERS AND TOASTERS.**

WITH SIDE GUARDS. DOUBLE PLATED WITH PURE TIN. ¾ INCH FROM CENTER TO CENTER OF BARS

**Light Broilers—Bars No. 15 Wire.**

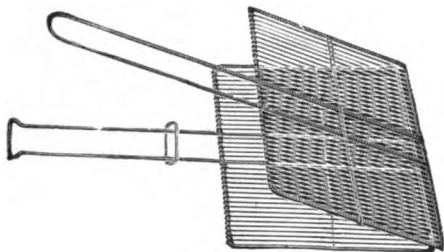
Code.....	Grettsaer	Grettspil	Grettsam	Grettsul	Grettsal	Grettsal
Numbers.....	<b>111</b>	<b>112</b>	<b>113</b>	<b>114</b>	<b>115</b>	<b>116</b>
Length, inches.....	9	9	9	9	9	9
Width, inches.....	6	7½	9	10½	12	13½
Number of bars.....	9	11	13	15	17	19
Per dozen .....	\$2.50	2.75	2.88	3.00	3.25	3.50
Weight per dozen, lbs.....	7¼	8¼	9¼	10¼	12	14½

One-half dozen in a package.

**Heavy Broilers—Bars No. 13 Wire.**

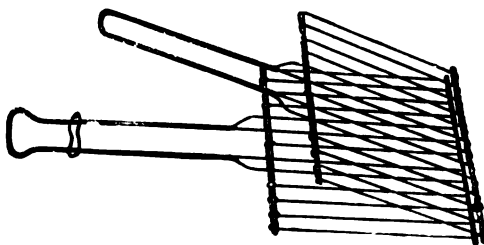
Code.....	Greunise	Greveda	Grevetor	Greviabun	Greviamis	Greviary
Numbers.....	<b>211</b>	<b>212</b>	<b>213</b>	<b>214</b>	<b>215</b>	<b>216</b>
Length, inches.....	9	9	9	9	9	9
Width, inches.....	6	7½	9	10½	12	13½
Number of bars.....	9	11	13	15	17	19
Per dozen .....	\$3.00	3.38	3.75	4.25	5.00	5.75
Weight per dozen, lbs.....	9	10½	11¼	13	17½	18

One-half dozen in a package.

**SHERWOOD'S OYSTER BROILERS.**DOUBLE PLATED WITH PURE TIN.  $\frac{1}{4}$  INCH FROM CENTER TO CENTER OF BARS.**Bars No. 14 Wire.**

Code.....	Greviate	Grevibust	Grevicaud	Grevicell
Numbers.....	<b>51</b>	<b>52</b>	<b>53</b>	<b>54</b>
Length, inches.....	9	9	9	9
Width, inches.....	6	7½	9	10½
Number of bars.....	25	31	37	43
Per dozen.....	\$5.00	5.75	6.50	7.25
Weight per dozen, lbs.....	14½	16¼	18	20½

One-half dozen in a package.

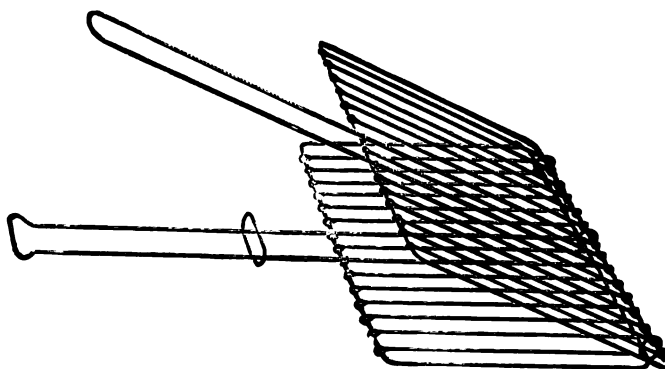
**REVERSIBLE BROILERS AND TOASTERS.**TWISTED HANDLES. RETINNED. SPACE BETWEEN BARS  $\frac{3}{8}$  INCH.**Light Broilers. Bars No. 14 Wire.**

Code .....	Grevicint	Grevicule	Grevifoli	Grevipede	Greviscap
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Length, inches.....	9	9	9	9	9
Width, inches.....	6	7½	9	10½	12
Number of bars.....	9	11	13	15	17
Per dozen.....	\$2.50	2.75	2.88	3.00	3.25
Weight per doz., lbs.....	6½	7	8	8½	9¼

One-half dozen in a package.

**REVERSIBLE BROILERS AND TOASTERS.**

CORRUGATED. MADE OF STEEL WIRE RETINNED.

**Light Broilers.**

Code .....	Greviset	Grevissim	Grevitate	Grewery	Grewsome
Numbers.....	<b>102</b>	<b>104</b>	<b>106</b>	<b>108</b>	<b>110</b>
Length, inches .....	9	9	9	9	9
Width, inches .....	6	8	10	12	14
Per dozen.....	\$2.50	2.75	3.00	3.25	3.50
Weight per doz., lbs.....	4	4½	5	6	6½

One-half dozen in a package.

**STANDARD WIRE TOASTERS.**

PLATED WIRE.

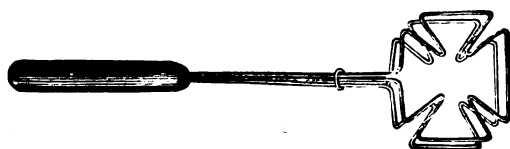


Code .....	Grewstor	Greyer
Inches.....	<b>8x10</b>	<b>8x14</b>
Per dozen.....	\$2.25	2.75
Weight per doz., lbs.....	3¼	4½

One dozen in a package.

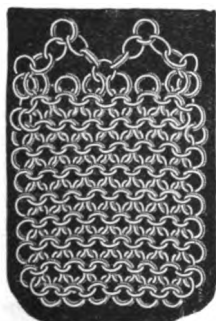
**CROSS TOASTERS.**

COPPERED WIRE.



Code .....	Greyling
Number.....	<b>1</b>
Inches.....	19
Per dozen.....	\$0.75
Weight per doz., lbs.....	2½

One dozen in a package.

**POT CLEANERS.**

POLISHED STEEL WIRES. 2 RINGS.

Code .....	Greylock
Number .....	<b>2</b>
Inches.....	5x5
Per dozen.....	\$1.50
Weight per doz., lbs.....	2¼

One dozen in a package.

## POT CLEANERS.

BRIGHT POLISHED STEEL WIRE. 3 RINGS.

Code.....	Greyman
Number.....	1
Inches.....	3½x5
Per dozen.....	\$1.25
Weight per doz., lbs.....	2

One dozen in a package.



## HANDLED POT CLEANERS.

BRIGHT STEEL WIRE.

Code.....	Greynote
Number.....	1
Length, inches.....	8
Per dozen.....	\$1.55
Weight per doz., lbs.....	2

One dozen in a box.

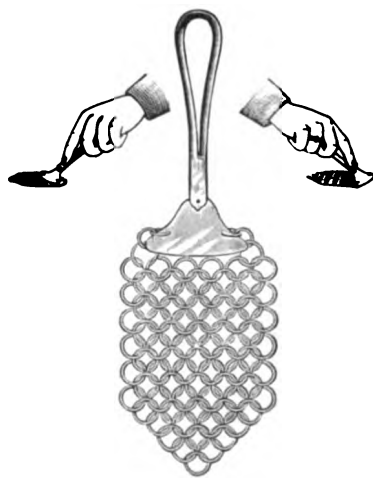


## SENSIBLE POT SCRAPERS AND CHAINS.

SCRAPERS AND HANDLES NICKEL-PLATED. CHAIN IS KEY-RING PATTERN.

Code.....	Greypoll
Inches.....	8½x6
Per dozen.....	\$1.75
Weight per doz., lbs.....	3

One dozen in a package.

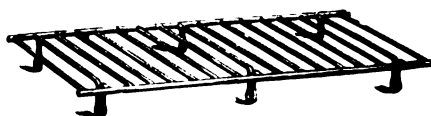


## PAN GRATES OR MEAT RESTS.

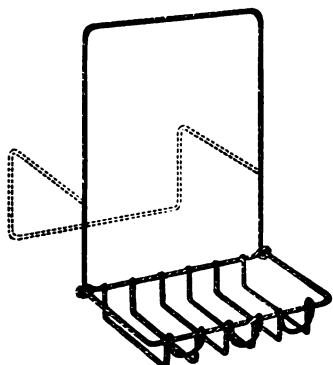
RETINNED.

Code.....	Greysure	Greysure	Grezele	Grezelteg
Numbers.....	1	2	3	4
Inches.....	8½x11	8½x12½	8½x14	8½x15½
Per dozen.....	\$4.00	4.50	5.00	5.50
Wt. per doz., lbs..	8¼	9	10½	12

One-half dozen in a package.



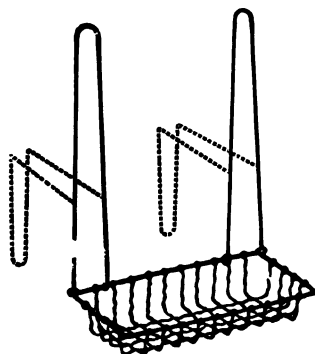


**BATH TUB SOAP HOLDERS.**

SILVER-LUSTER FINISH. TWISTED WIRE. SMALL.  
FITS ALL WIDTH RIMS.

Code.....	Grezzlin
Number.....	1
Inches.....	4½ x 3¼
Per dozen.....	\$1.00
Weight per doz., lbs.....	2¼

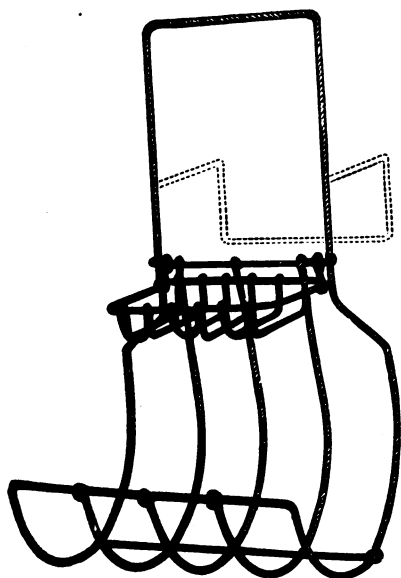
One-half dozen in package.

**BATH TUB SOAP HOLDERS.**

SILVER-LUSTER FINISH. PLAIN WIRE. HEAVY.  
FITS ALL WIDTH RIMS.

Code.....	Grezzar
Number.....	2
Inches.....	6¼ x 3¼
Per dozen.....	\$1.50
Weight per doz., lbs.....	4

One-half dozen in a package.

**BATH TUB SPONGE AND SOAP HOLDERS.**

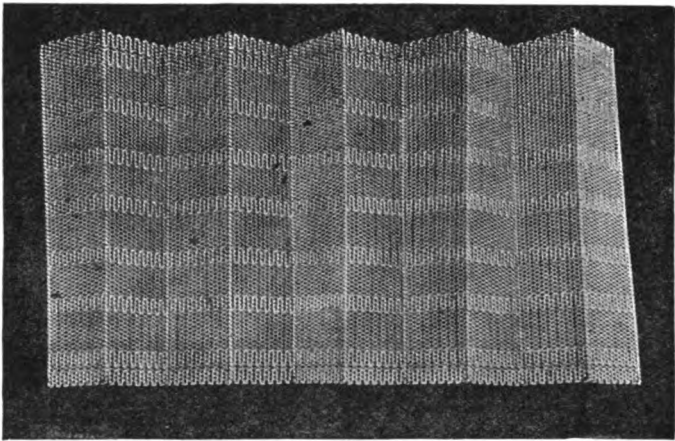
FITS ALL WIDTHS OF BATH TUB RIMS. TWISTED WIRE.  
SILVER LUSTER FINISH.

Code.....	Griacon
Number.....	10
Inches.....	4½ x 2½
Per dozen.....	\$3.00
Weight per dozen, lbs.....	3¾

One half dozen in a package.

**STANDARD FOLDING STEEL WIRE MATS.**

SELF-CLEANING, REVERSIBLE, HANDSOME, INEXPENSIVE. BOTH SIDES EXACTLY ALIKE, SMOOTH AND SOFT TO THE TREAD. SUPERIOR TO ANYTHING ON THE MARKET. UNEQUALED FOR PUBLIC BUILDINGS, STREET CARS, STEAMSHIPS, BARS, ETC.



Code.....	Griacuzz	Gribable	Gribest	Griboner	Grichot	Gricolar	Gricoteau
Numbers.....	2	3	3½	4	5	6	8
Size, inches.....	16x24	18x30	22x30	22x36	26x48	30x48	36x60
Each.....	\$1.00	1.50	2.00	2.25	3.50	4.00	6.00
Weight each, lbs.....	4½	6	8	10	15	17	25

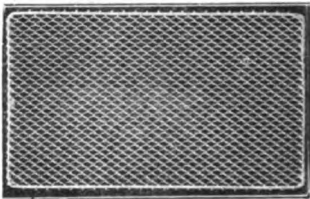
One in a package.

**WIRE TABLE MATS.**

PLATED WIRE.

Code.....	Gridality
Inches.....	6x6
Per dozen.....	\$1.12
Weight per dozen, lbs.....	13½

Three dozen in a package.



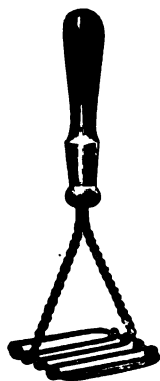
**POTATO MASHERS.**

PLAIN WOOD HANDLES.

Code.....	Griderone
Number.....	10
Inches.....	9½
Per dozen.....	\$0.50
Weight per dozen, lbs.....	13½

One dozen in a package.





## POTATO MASHERS.

HEAVY.

Code .....	Grideus
Number.....	8
Inches .....	10
Per dozen.....	\$1.50
Weight per dozen, lbs.....	4

One-half dozen in a package.

## NEW PERFECTION POTATO MASHERS.

RED WOOD HANDLES.

Code.....	Gridion
Number.....	7
Inches.....	11
Per dozen.....	\$1.50
Weight per dozen, lbs.....	4

One-half dozen in a package.

## CHAMPION POTATO MASHERS.

BLACK ENAMELED WOOD HANDLES.

Code.....	Gridlin
Number.....	176
Inches.....	9
Per dozen .....	\$3.00
Weight per doz., lbs.....	4½

One dozen in a box.

## DEWEY POT LIFTERS.

TINNED STEEL WIRE.

Code.....	Gridoire
Inches.....	7½
Per dozen .....	\$1.50
Weight per doz., lbs.....	2¾

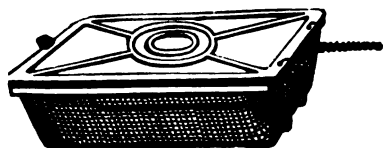
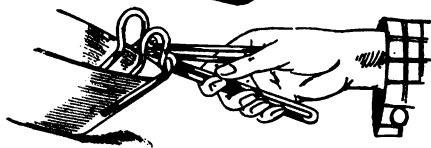
Three dozen in a package.

## COMMON SQUARE CORN POPPERS.

SCREW SHANKS. RED WOOD HANDLES.

Code.....	Griefage	Grieflat	Griefboge
Numbers.....	2 Tin Lid	7 Wire Lid	8 Wire Lid
Quarts.....	1	2	4
Per dozen.....	\$2.00	4.00	9.00
Weight per doz., lbs.....	4	6	9
Shipping measure per case, cubic feet.....	2½	5½½	5½
Weight per case, lbs.....	42	80	60

Nos. 1 and 7, six dozen in a case. No. 8, three dozen in a case.



# **COMMON ROUND CORN POPPERS.**

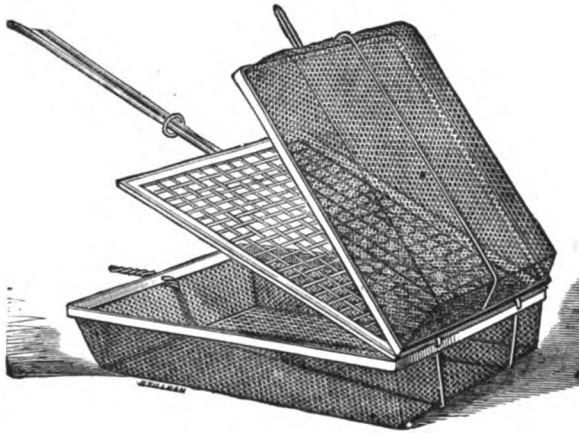
SCREW SHANKS. RED WOOD HANDLES. TIN LIDS.

Code .....	Griefede
Number .....	8
Quart .....	1
Per dozen.....	\$2.00
Weight per doz., lbs.....	4
Shipping measurement per case, cu. ft.....	3¾
Weight per case, lbs.....	42

Six dozen in a case.



# **REVERSIBLE OR UNION CORN POPPERS.**



Code .....	Griefgelt
Number.....	1
Quarts.....	2
Per dozen.....	\$3.75
Weight per doz., lbs.....	6
Shipping measurement per case, cubic feet.....	7
Weight per case, lbs.....	85

Six dozen in a case.

# **QUINCY CORN POPPERS.**

WIRE HANDLES THAT CANNOT GET LOOSE.

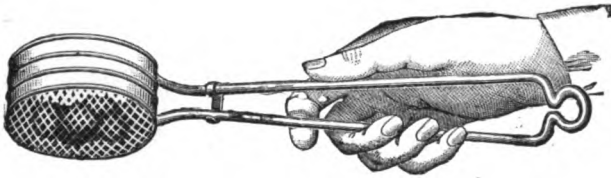


Code .....	Griefkart
Quart .....	1
Per dozen.....	\$1.50
Shipping measurement per case, cubic feet.....	2¾
Weight per case, lbs.....	20

One dozen in a case.

**TIN SOAP SHAKERS.**

HEAVY.



Code.....	Griefmane
Number.....	1
Inches.....	12
Per dozen.....	\$1.75
Weight per doz., lbs.....	2

One dozen in a box.

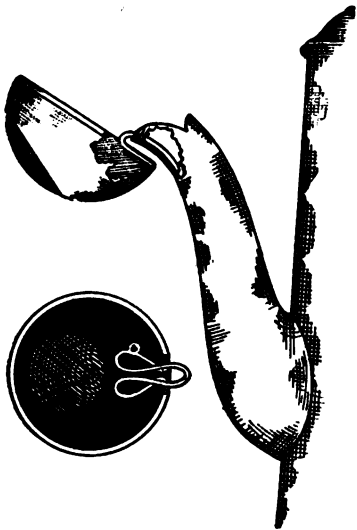
**CROWN TEA AND COFFEE POT STANDS.**

SILVER LUSTER.



Code.....	Griefmark
Number.....	1
Inches.....	6½
Bars.....	24
Per dozen.....	\$1.75
Weight per doz., lbs.....	2¼

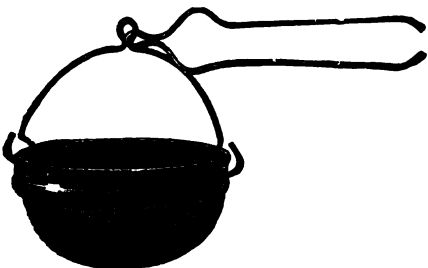
One dozen in a box.

**DRIPLESS TEA OR COFFEE STRAINERS.**

ALUMINUM. FIT ANY TEA OR COFFEE POT.

Code.....	Griefporte
Number.....	1556
Diameter, inches.....	1½
Per dozen.....	\$1.50
Weight per doz., lb.....	¼

Two dozen in a box.

**GERMAN TEA OR COFFEE STRAINERS.**

DEEP.

Code.....	Griefprim
Diameter, inches.....	1¾
Per doz.....	\$0.30
Weight per doz., lb.....	¼

One dozen in a box

## BLACK ENAMELED HANDLED STRAINERS.

SILVER LUSTER. CORRUGATED WIRE GAUZE.

Code.....	Griefsnore	Griefstill	Grieftaub	Griefwach	Griefweeg
Numbers.....	00	0	1	2	3
Inches.....	1 $\frac{3}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{2}$	3 $\frac{1}{8}$	3 $\frac{3}{8}$
Per dozen .....	\$1.50	2.00	2.75	3.25	4.25
Wt. per doz., lbs..	$\frac{7}{8}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$

One dozen in a box.



## WIRE HANDLED STRAINERS.

SILVER LUSTER. CORRUGATED WIRE GAUZE.

Code.....	Greischer	Grigadell	Grigadore	Grigantin	Grigaron
Numbers.....	00	0	1	2	3
Inches .....	1 $\frac{3}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{2}$	3 $\frac{1}{8}$	3 $\frac{3}{8}$
Per dozen .....	\$1.25	1.75	2.50	3.00	4.00
Wt. per doz., lbs..	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$

One dozen in a box.



## BOWL STRAINERS.

Code.....	Grighell
Number .....	1
Diameter, inches .....	4
Per dozen.....	\$0.85
Weight per dozen, lb.....	$\frac{1}{2}$

One dozen in a package.



## BOWL STRAINERS.

Code .....	Griglion
Number .....	2
Diameter, inches .....	5
Per dozen .....	\$1.50
Weight per dozen, lbs.....	1 $\frac{1}{4}$

One dozen in a package.



## SOUP STRAINERS.

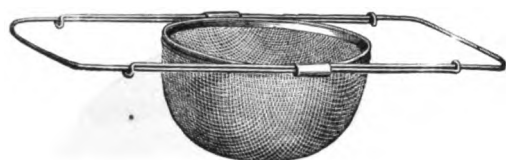
ROUND BOTTOMS. HEAVY.

Code.....	Grigote	Grigoul
Numbers.....	00	0
Diameter, inches.....	5	6
Per dozen .....	\$3.50	4.00
Weight per dozen, lbs.....	2 $\frac{1}{4}$	3 $\frac{1}{4}$

One dozen in a package.



# EXTENSION STRAINERS.



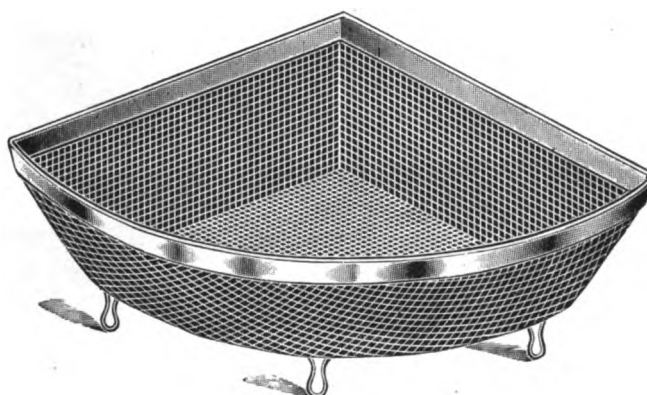
HEAVY.

Code.....	Griguent	Grildeke	Grilend
Numbers.....	1	2	8
Diameter, inches.....	5	6	8
Per dozen .....	\$4.00	6.00	9.00
Weight per dozen, lbs.....	2½	3¾	6

One dozen in a box.

# BOSTON SINK STRAINERS.

TRIANGLE. ANTI-RUST. HEAVY.



Code.....	Griless	Grilgate
Style.....	Enameled White	Galvanized
Numbers.....	1	8
Inches.....	8x4	8x4
Per dozen.....	\$5.00	5.50
Weight per dozen, lbs.....	5	5½

One dozen in a package.

# HARPER FLY TRAPS.

WIRE. WOOD BASE. CAN BE HUNG UP.

Code.....	Grilkrud
Bottom diameter, inches.....	6
Height, inches.....	10
Per dozen .....	\$3.00
Weight per case, lbs.....	9
Shipping measurement per case, cubic foot.....	¾

One dozen in a case.

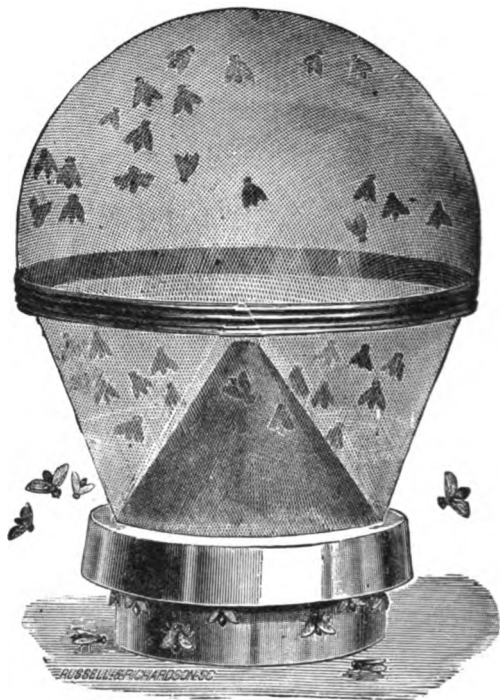


**BALLOON FLY TRAPS.**

TINNED WIRE. WOOD BASE. PATENTED.

Code.....	Grilladur
Bottom diameter, inches.....	8½
Height, inches.....	6½
Per dozen.....	\$2.50
Weight per case, lbs.....	5
Shipping measurement per case, cubic foot.....	⅞

One dozen in a case.



**MARTY'S FRENCH RAT TRAPS.**

COPPERED WIRE.



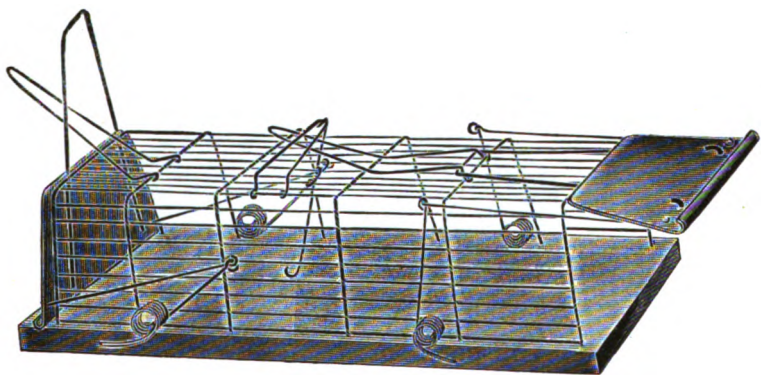
Code .....	Grillamis	Grillante	Grillaria
Inches .....	17	21	26
Per dozen .....	\$19.00	24.00	36.50
Weight per dozen, lbs.....	24	30	36

One in a package.



SPRING RAT TRAPS.

COPPERED WIRE. WOOD BOTTOMS.



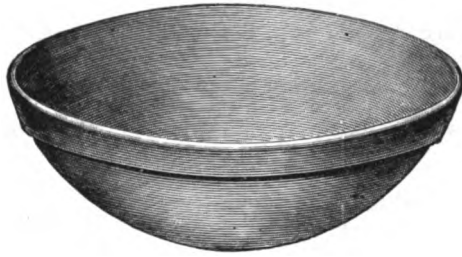
Code .....	Grillatim	Grillera
Style .....	Single	Double
Inches.....	7x12	7x16
Per doz.....	\$6.50	7.50
Weight per doz, lbs.....	18	21

One in a package.



SECTION 14.

WOODEN WARE.



HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES

AND NEW YORK.

## WOODEN WARE.

All of our Wooden Ware is made from thoroughly seasoned selected wood.

In ordering these goods by telegraph it is only necessary to use the code word over the number or size of the article wanted in this section preceded by words from the code in the front of this book.

Example: Cognitive acinippo grillode.

Translation: If not too late change order to read: three-quarters of a gross number nine  
Wood Salt Boxes.

**SALT BOXES.**

PLAIN WHITE WOOD. STENCILED IN BLACK.

Code.....	Grillode
Height, inches.....	9
Width, inches.....	5½
Per dozen.....	\$1.80
Weight per crate, lbs.....	16½
Shipping measurement per crate, cubic feet.....	1½

One dozen in a crate.

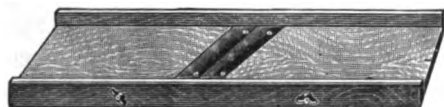
**VEGETABLE SLICERS.**

HARD WOOD. ADJUSTABLE KNIVES.



Code.....	Grilneut
Number.....	0
Length, inches.....	12
Width, inches.....	3
Per dozen.....	\$2.70
Weight per case, lbs.....	8½
Shipping measurement per case, cubic foot.....	¾

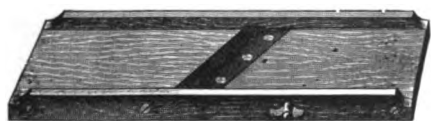
One dozen in a case.

**“ATLAS” SLAW CUTTERS.  
ONE KNIFE.**

HARD WOOD. ADJUSTABLE, TEMPERED STEEL KNIVES.

Code.....	Grilschan
Number.....	1
Length, inches.....	17
Width, inches.....	6¼
Per dozen.....	\$4.50
Weight per case, lbs.....	30½
Shipping measurement per case, cubic feet.....	1½

One dozen in a case.

**“ATLAS” SLAW CUTTERS.  
TWO KNIVES.**

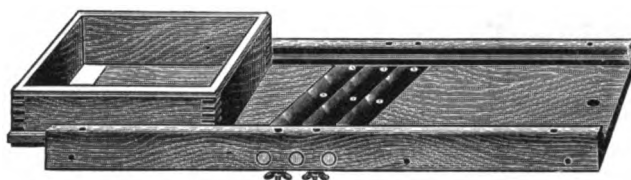
HARD WOOD. ADJUSTABLE, TEMPERED STEEL KNIVES.

Code.....	Grilvorni
Number.....	2
Length, inches.....	19
Width, inches.....	6¼
Per dozen.....	\$5.30
Weight per case, lbs.....	34½
Shipping measurement per case, cubic feet.....	1½

One dozen in a case.

# **"STAR" KRAUT CUTTERS, WITH BOX.**

HARD MAPLE. HIGHLY POLISHED. TEMPERED STEEL, REINFORCED ADJUSTABLE KNIVES.



Code .....	Grimbale	Grimbelt
Numbers.....	2	3
Number of knives.....	2	3
Length, inches.....	26	26
Width, inches.....	8	8
Each .....	\$2.25	2.75
Weight per dozen, crated, lbs.....	91	105
Shipping measurement per dozen, cubic feet.....	5 1/3	5 1/2

One-half dozen in a crate.

# **CHURN DASHERS.**

HARD WOOD. HANDLES THREADED.



Code .....	Grimborio
Length, inches.....	40
Bottom, inches .....	7 1/2 x 7 1/2
Per dozen.....	\$2.50
Weight per doz., lbs.....	9

# **GROOVED SPADES.**

HARD WOOD. MACHINE-CUT GROOVES.

Code .....	Grimfille
Number.....	6
Length, inches.....	10
Width, inches.....	3
Per dozen.....	\$0.70
Weight per doz., lbs.....	1 1/4



# **BUTTER LADLES.**

WHITE MAPLE. POLISHED.

Code .....	Grimset
Number.....	3
Length, inches.....	8 1/2
Width, inches.....	4
Per dozen.....	\$0.70
Weight per doz., lbs.....	2



**ANDERSON SHAPE LADLES.**

HARD WOOD. FOR BUTTER.

Code.....	Grinater
Length, inches.....	<b>10</b>
Width, inches.....	$5\frac{1}{2}$
Per dozen.....	<b>\$1.60</b>
Weight per doz., lbs.....	$3\frac{1}{2}$

**FAMILY POTATO MASHERS.**

MAPLE. WAX FINISHED.

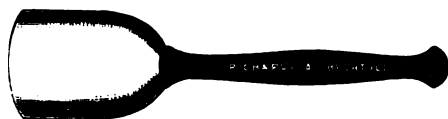


Code.....	Grinatose
Length, inches.....	<b>12</b>
Diameter, inches.....	<b>3</b>
Per dozen.....	<b>\$1.00</b>
Weight per doz., lbs.....	<b>7</b>
Weight per case, lbs.....	<b>22½</b>
Shipping measure per case, cubic feet.....	<b>1</b>

Two dozen in a case.

**ENAMELED HANDLED MASHERS.**

MAPLE. TWO PIECES.



Code.....	Grincard
Length, inches.....	<b>12</b>
Diameter, inches.....	<b>3</b>
Per dozen.....	<b>\$1.20</b>
Weight per doz., lbs.....	<b>6</b>
Weight per case, lbs.....	<b>24</b>
Shipping measure per case, cubic feet.....	$1\frac{1}{12}$

Three dozen in a case.

**PLAIN HANDLE ROLLING PINS.**

HARD WOOD. REVOLVING HANDLES.



Code.....	Grindaba
Length roller, inches.....	<b>12</b>
Diameter, inches.....	$2\frac{3}{8}$
Per dozen.....	<b>\$1.80</b>
Weight per case, lbs.....	<b>26</b>
Shipping measure per case, cubic feet.....	$1\frac{1}{12}$

One dozen in a case.

**ENAMELED HANDLE ROLLING PINS.**

HARD WOOD. REVOLVING HANDLES.

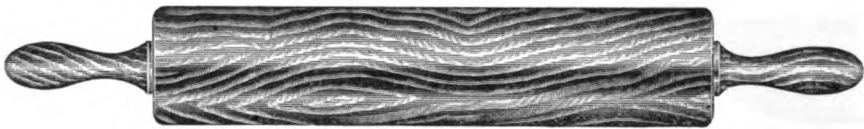


Code.....	Grindillo
Length roller, inches.....	<b>12</b>
Diameter, inches.....	$2\frac{3}{8}$
Per dozen.....	<b>\$2.24</b>
Weight per case, lbs.....	$26\frac{1}{2}$
Shipping measure per case, cubic feet.....	$1\frac{1}{12}$

One dozen in a case.

BAKERS' ROLLING PINS.

HAND TURNED. ONE SOLID PIECE OF MAPLE. NICELY FINISHED.

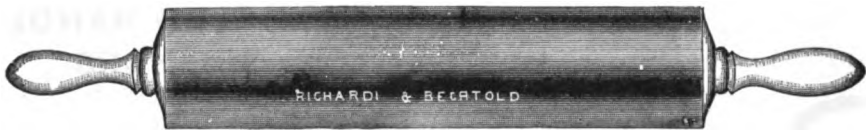


Code .....	Grindone
Length roller, inches.....	15
Diameter, inches .....	3 1/2
Per dozen.....	\$7.50
Weight per case, lbs.....	45
Shipping measure per case, cubic feet.....	2 1/2

One dozen in a case.

BAKERS' ROLLING PINS.

REVOLVING ON STEEL ROD. SELECTED HARD MAPLE. FINELY POLISHED WITH PARAFFINE.



Code .....	Gringent
Number.....	8
Length roller, inches.....	15
Diameter, inches.....	3 1/2
Per dozen.....	\$12.00
Weight per case, lbs.....	54
Shipping measure per case, cubic feet.....	2 1/2

One dozen in a case.

TOWEL ROLLERS.

PLAIN HARD WOOD.

Code.....	Grinosom
Number .....	8 A
Length, inches.....	22
Diameter roller, inches.....	1 3/8
Height, inches.....	4
Per dozen.....	\$2.24
Weight per case, lbs.....	18
Shipping measure per case, cubic feet.....	1



RING TOWEL ROLLERS.

SUGAR MAPLE. HARD OIL FINISH.

Code .....	Grifogae
Length, inches.....	18
Diameter roller, inches.....	2
Per dozen.....	\$2.40
Weight per case lbs.....	25
Shipping measure per case, cubic feet.....	2



One dozen in a case.

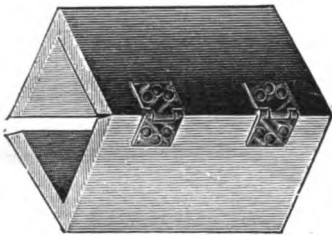


**ROUND BUTTER MOULDS.**

SUGAR MAPLE.

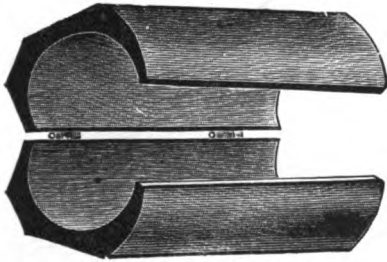
Code.....	Griolett	Grisadis	Grisarem
Size, lb.....	$\frac{1}{2}$	<b>1</b>	<b>Individual</b>
Diameter, inches.....	$3\frac{3}{4}$	$4\frac{1}{4}$	$1\frac{1}{2}$
Per dozen .....	\$2.50	2.80	1.00
Weight per case, lbs.....	$10\frac{1}{2}$	$14\frac{1}{4}$	.....
Shipping meas. per case, lbs...	$\frac{7}{8}$	$\frac{5}{8}$	.....

One dozen in a case.

**CALIFORNIA SQUARE BUTTER MOULDS.**

SUGAR MAPLE. BRASS HINGES.

Code .....	Grisasse	Griscadot
Size, lbs.....	<b>1</b>	<b>2</b>
Length, inches.....	5	7
Square, inches.....	$3\frac{1}{2} \times 3\frac{1}{2}$	$3\frac{3}{8} \times 3\frac{3}{8}$
Per dozen.....	\$4.30	5.00
Weight per doz lbs.....	9	15
Weight per case, lbs.....	24	$46\frac{1}{4}$
Shipping measurement per case, cu. ft..	$\frac{3}{4}$	$1\frac{1}{4}$

**CALIFORNIA ROUND BUTTER MOULDS.**

SUGAR MAPLE. BRASS HINGES.

Code .....	Grisemen	Grisente
Size, lbs.....	<b>1</b>	<b>2</b>
Length, inches.....	5	$7\frac{1}{4}$
Diameter, inches.....	$2\frac{3}{4}$	$3\frac{1}{8}$
Per dozen.....	\$4.30	5.30
Weight per doz. lbs.....	12	18
Weight per case, lbs.....	25	45
Shipping measurement per case, cu. ft..	1	$1\frac{1}{4}$

**"U. S." CLOTHES-PINS.**

HARD WOOD. PATENT GALVANIZED STEEL WIRE SPRINGS.



Code.....	Gritanico
Length, inches.....	<b><math>8\frac{1}{4}</math></b>
Per gross.....	<b>\$1.50</b>
Weight per gross, lbs.....	$3\frac{3}{4}$
Weight per case, lbs.....	225
Shipping measurement per case, cubic feet.....	$7\frac{1}{2}$

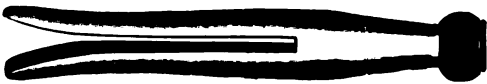
One gross in a cartoon. Fifty gross in a case.

**COMMON CLOTHES-PINS.**

HARD WOOD. POLISHED.

Code.....	Grithop
Length, inches.....	4¼
Per gross.....	\$0.60
Weight per gross, lbs.....	3
Weight per case, lbs.....	25
Shipping measurement per case, cubic foot.....	1

Five gross in a case.



**WOOD SPOONS.**

SELECTED HARD WOOD. TURNED.

Code .....	Grithrick	Gritomari	Gritoname
Length, inches.....	18	15	17
Per dozen .....	\$0.60	.75	1.00
Weight per dozen, lbs.....	1½	2	2½

One dozen in a box.

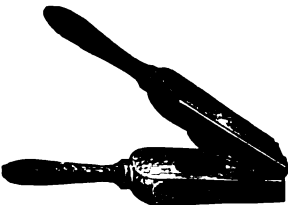


**WOOD LEMON SQUEEZERS.**

HARD WOOD. TURNED HANDLES. BALL SHAPE.

Code.....	Gritonibo
Number .....	1
Length, inches.....	10½
Width, inches.....	2¼
Per dozen.....	\$2.00
Weight per dozen, lbs.....	8½

One dozen in a box.



**ROUND WOOD BOWLS.**

MAPLE. WAX POLISH. EXTRA DEEP.

Code .....	Gritsant	Grittolar	Grixell	Grixian	Grixille	Grizano
Diameters .....	11	18	15	17	19	21
Per dozen.....	\$1.50	3.00	5.00	9.00	14.00	20.00
Weight per crate, lbs.	20	25	36	28	41	54
Meas. per crate, cu. ft.	1¼	1½	2¾	2½	3¾	4¾

11-inch, one and one-half dozen in a crate.  
13 and 15-inch, one dozen in a crate.  
17, 19 and 21-inch, one-half dozen in a crate.



**SQUARE CHOPPING TRAYS.**

MAPLE. POLISHED.

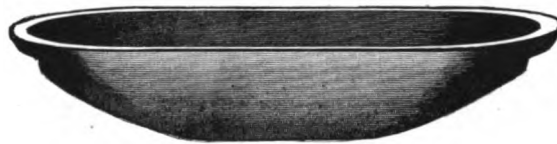


Code.....	Grizart	Griznaso	Grizomant	Grizure	Grizzolat
Numbers .....	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Length, inches.....	18	19½	21	22	24
Width, inches.....	10	10½	11	11½	12½
Per dozen .....	\$6.00	7.00	9.00	13.50	.....
Weight per doz. crated, lbs.....	36	42	50	60	70
Shipping measurement per doz., cu. ft.....	3	3½	4	4¾	6

One-half dozen in a crate.

**OVAL CHOPPING TRAYS.**

MAPLE. POLISHED.



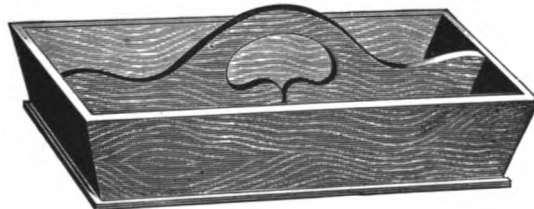
Code.....	Groach	Groadcat	Groaden
Numbers .....	<b>2</b>	<b>3</b>	<b>4</b>
Length, inches.....	18½	22	25½
Width, inches.....	10½	11¾	13½
Per dozen .....	\$7.00	12.00	15.00
Weight per dozen crated, lbs.....	28	56	91
Shipping measurement per doz., cu. ft.....	1¾	3½	6

Nos. 2 and 3, one dozen in a crate.

No. 4, one-half dozen in a crate.

**KNIFE AND FORK TRAYS.**

PLAIN WHITE WOOD.



Code.....	Groadler
Length, inches .....	<b>11½</b>
Width, inches.....	<b>7½</b>
Per dozen .....	\$2.40
Weight per crate, lbs.....	15½
Shipping measurement per crate, cubic feet.....	2 1/12

One dozen in a crate.



## SECTION 15.

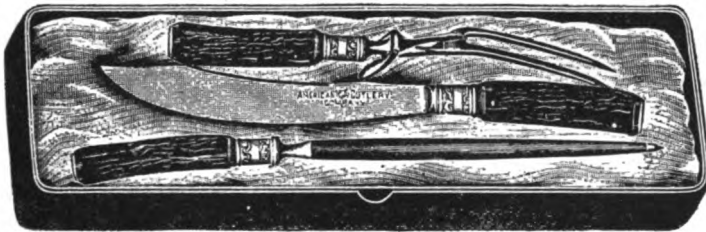
### CUTLERY AND PLATED WARE.

CARVERS,

BUTCHER KNIVES,

TABLE CUTLERY AND

PLATED FLAT WARE.



# HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK.

## CUTLERY AND PLATED WARE.

The Cutlery illustrated in this section is of the very best grade.

We call particular attention to the guaranteed deposit of pure silver to the gross on our flat ware.

### Extra Plate or 5oz Quality.

Tea Spoons.....	2½ oz.....	50dwt.
Desert Spoons and Forks.....	3¾ oz.....	75dwt.
Table Spoons and Forks.....	5oz.....	100dwt.

Which is 25 per cent more than the ordinary standard plate.

In ordering goods from this section by telegraph, it is only necessary to use the code words over or opposite the name, number or size of the article wanted.

EXAMPLE:—Crogdal acinosos grotsacke guchante and guchbind.

TRANSLATION:—Ship via quickest route one and one-half gross each number one hundred and thirty B Knives and Forks number twenty-one Nickel Tea and Table Spoons.

**CARVERS.**

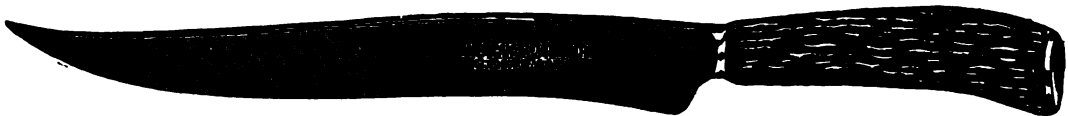
Code. No.  
Groadwit 1701—Stag Handle Knife and Fork, 8-inch Turkish Blade.....Per pair, \$1.00  
One pair in a box.



Code. No.  
Groadkite 64—Stag Handle Knife and Fork, 8-inch Cimenter Blade.....Per pair, \$1.50  
One pair in a box.



Code. No.  
Grocanitag 107—Stag Handle Knife and Fork, 8-inch Cimenter Blade.....Per pair, \$1.90  
Grocarde 107—Stag Handle Knife, Fork and Steel, 8-inch Cimenter Blade.....Per set, 2.70  
Grocatele 107—Stag Handle Knife, Fork and Steel, 9-inch Cimenter Blade....." 3.10  
One pair or one set in a box.



Code. No.  
Grocents 108—Stag Handle Knife and Fork, 9-inch French Blade.....Per pair, \$2.30  
Grochado 108—Stag Handle Knife, Fork and Steel, 9-inch French Blade.....Per set, 3.10  
One pair or one set in a box.



Code. No.  
Grochaise 104—Stag Handle Knife and Fork, 9-inch Cimenter Blade.....Per pair, \$2.30  
Grochale 104—Stag Handle Knife, Fork and Steel, 9-inch Cimenter Blade.....Per set, 3.10  
One pair or one set in a box.

**CARVERS.**

Code. No.  
Grochet **12**—Stag Handle, German Silver Ferrule, Knife, Fork and Steel, 9-inch Cimeter  
Blade.....Per set, \$4.30  
One set in a box.



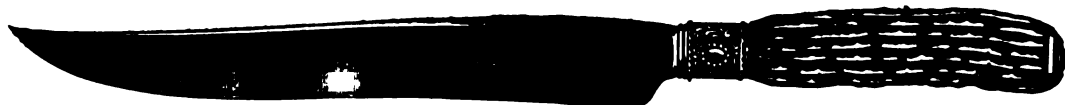
Code. No.  
Grochette **1118**—Stag Handle, Sterling Silver Ferrule, Knife, Fork and Steel, 9-inch Turkish  
Blade.....Per set, \$4.30  
One set in a box.



Code. No.  
Grodasse **6124**—Stag Handle, Sterling Silver Ferrule, Knife, Fork and Steel, 9-inch Cimeter  
Blade.....Per set, \$4.30  
One set in a box.



Code. No.  
Grodelt **6128**—Stag Handle, Sterling Silver Ferrule, Knife, Fork and Steel, 9-inch French  
Blade.....Per set, \$4.30  
One set in a box.

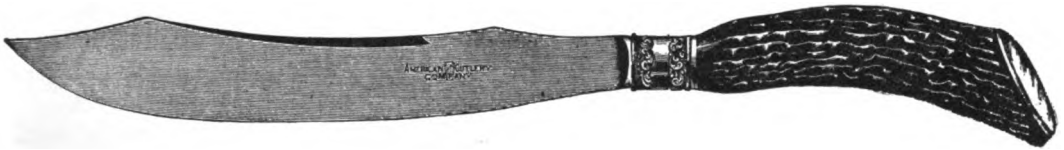


Code. No.  
Grodelt **2128**—Stag Handle, Sterling Silver Cap and Ferrule, Knife, Fork and Steel, 9-inch  
French Blade.....Per set, \$5.20  
One set in a box.

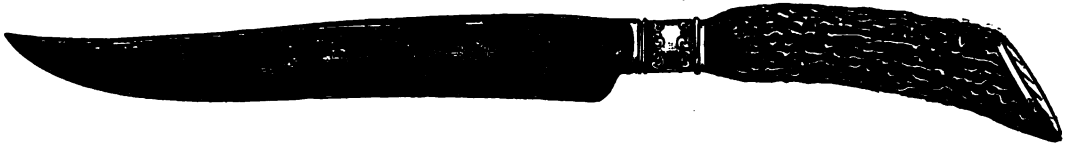


**CARVERS.**

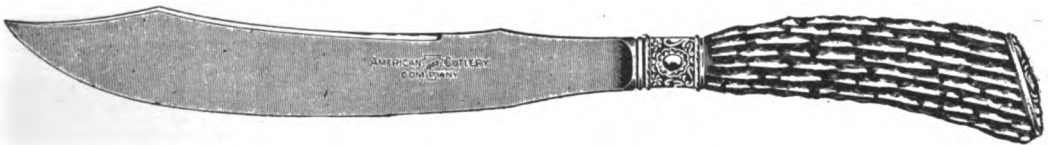
- Code. No.  
Grodisti **2124**—Stag Handle, Sterling Silver Cap and Ferrule, Knife, Fork and Steel, 9-inch  
Cimeter Blade.....Per set, \$5.20  
One set in a box.



- Code. No.  
Groditos **6121**—Stag Handle, Sterling Silver Ferrule, Knife, Fork and Steel, 9-inch Cimeter  
Blade.....Per set, \$5.70  
One set in a box.



- Code. No.  
Groeklo **6120**—Stag Handle, Sterling Silver Ferrule, Knife, Fork and Steel, 9-inch French  
Blade.....Per set, \$5.70  
One set in a box.



- Code. No.  
Groeklin **2121**—Stag Handle, Sterling Silver Cap and Ferrule, Knife, Fork and Steel, 9-inch  
Cimeter Blade.....Per set, \$7.20  
One set in a box.



- Code. No.  
Groellar **828**—Solid Rubber Handle, Knife, Fork and Steel, 9-inch Cimeter Blade.....Per set, \$2.90  
One set in a box.

**CARVERS.**



Code. No.  
Grogiot **952**—Celluloid Handle Knife, Fork and Steel, 9-inch Cimeter Blade .....Per set, **\$3.80**  
One set in a box.

**BIRD AND BREAKFAST CARVERS.**

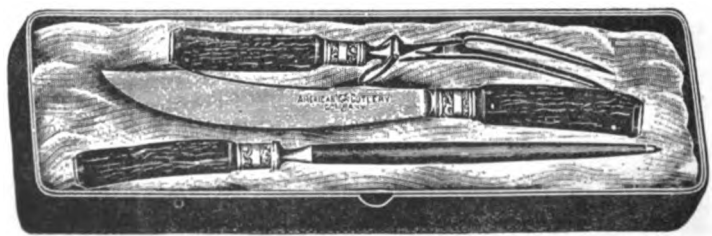


Code. No.  
Grogitar **102**—Stag Handle Knife and Fork, 6-inch Turkish Blade.....Per pair, **\$1.20**  
One pair in a box.



Code. No.  
Groglian **118**—Stag Handle, German Silver Ferrule, Knife and Fork, 6-inch Turkish Blade..Per pair, **\$1.60**  
One pair in a box.

**CARVER CASES.**



Code. No.  
Grogliave **1224**—Three Piece Leatheret, Satin Lined Carver Cases.....Each, **\$0.50**  
Will hold all regular carvers.

**TABLE STEELS.**Code.  
Groirderes

No.

**107**—Stag Handle, 8-inch Steel. Matches Nos. 107, 103 and 104 Carvers.....Per dozen, \$9.50  
One-half dozen in a box.

**BUTCHERS' STEELS.**Code.  
Groilett

No.

**50**—Black Handle, Fall Swivel, 10-inch Steel.....Per dozen, \$9.75  
One-half dozen in a box.

Code.  
Groillase

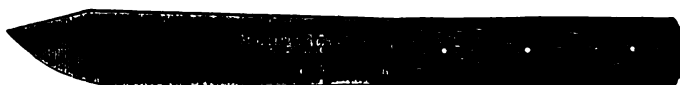
No.

**107B**—Stag Handle, Fall Swivel, Straight Groove, 12-inch Steel.....Per dozen, \$16.00  
One-half dozen in a box.

**CORUNDUM STICKS.**Code.  
Groillote

No.

**010½**—Gem Emery, with Guard 12¼ inches long, 8-inch Steel.....Per dozen, \$1.15  
One dozen in a box.

**BUTCHER KNIVES.**

Code. No.  
Groinhar **19**—6-inch Blade, Cocobolo Handle, no Bolster.....Per dozen, \$1.40  
One dozen in a box.



Code. No.  
Grokenel **19B**—6-inch Blade, Cocobolo Handle, one Bolster.....Per dozen, \$1.80  
One dozen in a box.



Code. No.  
Grokingly **19C**—6-inch Blade, Cocobolo Handle, Bolster and Cap .....Per dozen, \$2.30  
One dozen in a box.



## No. 10. Hatchet Brand, Beech Handle.

Code .....	Grokkeld	Groksten	Grolament	Grolhart	Gromabis	Gromacul
Length of blade, inches.....	6½	7	8	10	12	14
Per dozen.....	\$2.40	2.80	3.50	5.00	8.00	10.00

One-half dozen in a box.



## No. 1776. Victor Brand, Beech Handle.

Code.....	Gromanis	Grombeer	Gromeamo	Gromeand	Gromella	Gromerust	Gromfelde	Gromibast
Length of blade, inches.....	6	6½	7	8	10	12	14	16
Per dozen.....	\$2.90	3.40	4.20	5.00	7.50	12.00	16.00	24.00

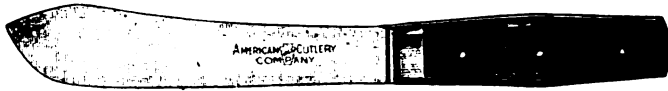
One-half dozen in a box.



## Wilson's, Beech Handle.

Code.....	Gromicose	Gromidor	Gromifern	Gromistal	Gromizin	Gromkeve	Gromlith	Grommige	Gromoform
Numbers .....	28	29	30	43	44	45	46	48	86
Length of blade, inches..	5½	6	6½	7	8	9	10	12	14
Per dozen .....	\$3.50	3.65	4.50	5.20	6.60	7.80	9.60	15.00	21.00

One-half dozen in a box.

**BUTCHER KNIVES.**

No. 631. Cocobolo Handle, Lap Bolster.

Code .....	Gromoiden	Gromolog	Gromosed	Grompote	Gromsalt
Length of blade, inches.....	6	7	8	10	12
Per dozen.....	\$3.20	4.50	5.50	8.00	12.50

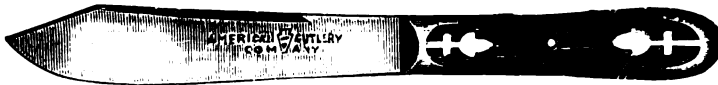
One-half dozen in a box.



No. 1631. Cocobolo Handle, Double Lap Bolster.

Code .....	Gromtold	Gronadis	Gronarte
Length of blade, inches.....	6	7	8
Per dozen.....	\$4.20	5.50	6.50

One-half dozen in a box.



No. 1538. Cocobolo Handle, Double Acorn Bolster.

Code .....	Gronchag	Gronchis	Groncista
Length of blade, inches.....	6	7	8
Per dozen.....	\$5.00	6.00	7.50

One-half dozen in a box.

**STICKING KNIVES.**

No. 10. Hatchet Brand, Beech Handle.

Code .....	Groncoto	Gronfest
Length of blade, inches.....	6	6½
Per dozen.....	\$2.00	\$2.40

One-half dozen in a box.

**SKINNING KNIVES.**

No. 1776. Victor Brand, Beech Handle.

Code .....	Grongode	Grongrave	Gronquer
Length of blade, inches.....	6	6½	7
Per dozen.....	\$2.90	3.40	4.20

One-half dozen in a box.

HUNTING KNIVES.



No. 530. Cocobolo Handle, One Lap Bolster.

Code. No. 530  
Gronskler Length of blade, 6 inches.....Per dozen, \$3.50  
One-half dozen in a box.

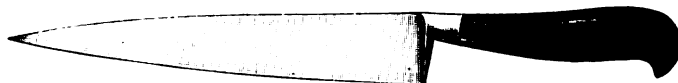
HAM SLICERS.



Code. No. 806  
Gronstend 806—12-inch Blade, Rubber Handle .....Per dozen, \$15.50  
One-half dozen in a box.

FRENCH COOK KNIVES.

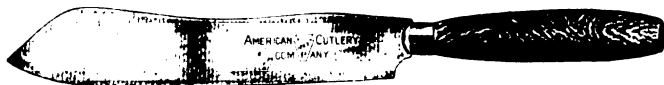
SABATIER SLICERS. TRUMPET BRAND. EBONY HANDLES. POLISHED STEEL BOLSTERS.



Code .....	Gronstige	Grontolar	Gronwate	Gronzeit	Gronzisto	Grooehe
Length of blade, inches.....	4	5	6	7	8	9
Per dozen.....	\$3.00	3.15	4.30	5.25	6.00	6.90
Code .....	Groodbake	Groodelin	Groodkase	Groodkort	Groodkrum	
Length of blade, inches.....	10	11	12	18	14	
Per dozen.....	\$7.35	10.15	12.00	14.25	20.25	

One-half dozen in a box; two boxes in a package.

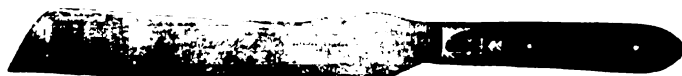
BREAD KNIVES.



Code. No. 400  
Groodmane 400—7 1/2-inch Blade, Hardwood Handle, Steel Ferrule.....Per dozen, \$1.50  
One-half dozen in a box.



Code. No. 681  
Groodmest 681—8-inch Blade, Cocobolo Handle, Single Lap Bolster.....Per dozen, \$4.00  
One-half dozen in a box.



Code. No. 589  
Groodpape 589—8-inch Blade, Cocobolo Handle, Single Fancy Bolster.....Per dozen \$8.00  
One-half dozen in a box.

**CLAUSS SETS.**

HIGHLY TEMPERED AND POLISHED.



Consists of one each Bread, Cake and Paring Knife.

Code.  
Groodplan

Per dozen sets..... \$5.15

Each set in a paper package; one dozen sets in a box.

**CLAUSS CARVERS.**

HIGHLY TEMPERED AND POLISHED.

Code.  
Groodpris

Per dozen..... \$3.55

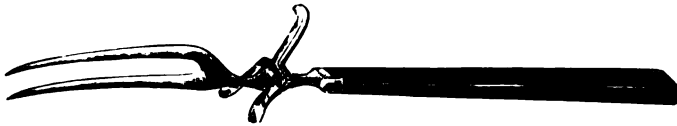
One dozen in a package.

**COOKS' FORKS.**Code.  
Groodrate

No.

**390**—13 inches long, Cocobolo Handle ..... Per dozen, \$3.00

One dozen in a box.

Code.  
Grookit

No.

**501**—12 inches long, Solid Ebony Handle with Guard ..... Per dozen, \$12.00

One-half dozen in a box.

Code.  
Grookit

No.

**1996**—14 inches long, Polished Steel Wire..... Per dozen, \$1.50

One dozen in a box.

**COOKS' FORKS.**

FORGED. RETINNED.



Code.....	Grooshed	Groqueler
Numbers .....	<b>212</b>	<b>214</b>
Inches .....	12	14
Per dozen .....	<b>\$1.50</b>	1.80

One-half dozen in a package.

**DUPLEX SERVING FORKS.**

RETINNED.



Code .....	Groquent
Length, inches.....	<b>11½</b>
Per dozen.....	<b>\$3.15</b>

One dozen in a box.

**KITCHEN FORKS.**

WIRE. STRONG. SHARP POINTS.

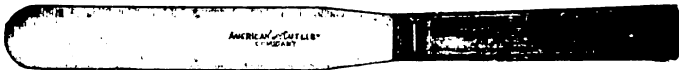


Code .....	Grosament
Number.....	<b>2</b>
Length, inches .....	13
Per dozen.....	<b>\$0.75</b>

One dozen in a package.

**SPATULAS.**

NO. 430. COCOBOLO HANDLES, BOLSTERED.



Code.....	Grossante	Grostan	Grotacon	Grotadur	Grotament
Length of blade, inches.....	<b>6</b>	<b>7</b>	<b>8</b>	<b>10</b>	<b>12</b>
Per dozen .....	<b>\$4.00</b>	5.00	6.00	10.00	15.50

One-half dozen in a box.



POLISHED STEEL. WIRE HANDLES.

Code.....	Grotast	Grotbam
Number.....	<b>80</b>	<b>100</b>
Length of blade, inches.....	8	10
Per dozen.....	<b>\$3.25</b>	7.90

One dozen in a package.

**CHEESE KNIVES.**



COCOBOLO HANDLES. NO BOLSTER. TINNED BLADES.

Code.	No.	
Grotbank	<b>580</b>	—12-inch Blade.....Per dozen, <b>\$8.00</b>

One-half dozen in a box.



BOLSTERED COCOBOLO HANDLES. TINNED BLADES.

Code.	No.	
Grotbeut	<b>580</b>	—12-inch Blade.....Per dozen, <b>\$10.00</b>

One-half dozen in a box.



**CALIFORNIA CANNING KNIVES.**

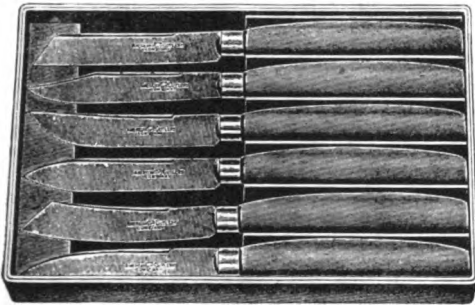
Code. No.  
Grotease 12—3½-inch Steel Blade. Beech Handle .....Per dozen, \$2.00  
One dozen in a box.

**KITCHEN KNIVES.**

Code. No.  
Grothfin 110—3½-inch Steel Blade. Beech Handles.....Per dozen, \$0.95  
Two dozen in a box.



Code. No.  
Grother 200—3¼-inch Blade. Highly Finished Hardwood Handle .....Per dozen, \$0.85  
Two dozen in a box.

**PARING KNIVES.**

HIGHLY FINISHED HARDWOOD HANDLES. SIX  
ASSORTED SHAPES.

Code .....	Grotkamm
Number .....	200 Line
Length of blade, inches.....	3¼
Per dozen .....	\$0.85

One-half dozen in a box.

**BUCKEYE PARING KNIVES.**

EBONIZED HANDLES.



Code .....	Grotkorbe
Length of blade, inches.....	3
Per dozen.....	\$0.65

One dozen in a box.

**RING CARTRIDGE PARING KNIVES.**

TEMPERED STEEL.

Ring adjusts to middle finger and holds knife in place.

Code .....	Grotlose
Length of blade, inches .....	2¼
Per dozen .....	\$1.00

One dozen in a package.



## TABLE CUTLERY.

## MEDIUM KNIVES AND FORKS.



Code.	No.		
Grotmang	215—	Iron Handle Knives and Forks, Straight Blade .....	Per gross, \$7.65
Grotmarke	215—	Iron Handle Knives only, Straight Blade .....	" 9.60
		One-twelfth gross in a box six each Knives and Forks.	



Code.	No.		
Grotmess	1878—	Cocobolo Handle Knives and Forks, Straight Blade.....	Per gross, \$7.65
		One-twelfth gross in a box, six each Knives and Forks.	



Code.	No.		
Grotreig	18B—	Cocobolo Handle Knives and Forks, Single Bolster, Straight Blade.....	Per gross, \$11.10
Grottrind	38B—	Bone Handle Knives and Forks, Single Bolster, Straight Blade.....	" 14.85
		One-twelfth gross in a box, six each Knives and Forks.	



Code.	No.		
Grotsacke	180B—	Cocobolo Handle Knives and Forks, Single Bolster, Cimeter and Swaged Blade.....	Per gross, \$14.80
		One-twelfth gross in a box, six each Knives and Forks.	



Code.	No.		
Grotschot	430—	Cocobolo Handle Knives and Forks, Single Bolster, Straight Blade.....	Per gross, \$13.05
Grotspeis	450—	Ebony Handle Knives and Forks, Single Bolster, Straight Blade.....	" 15.60
Grotsupp	460—	Bone Handle Knives and Forks, Single Bolster, Straight Blade.....	" 19.35
		One-twelfth gross in a box, six each Knives and Forks.	



Code.	No.		
Grottafe	159—	Ebony Handle Knives and Forks, Single Bolster, Straight Blade.....	Per gross, \$16.50
		One-twelfth gross in a box, six each Knives and Forks.	



Code.	No.		
Grottisch	184—	Cocobolo Handle Knives and Forks, Double Bolster, Straight Blade .....	Per gross, \$12.90
		One-twelfth gross in a box, six each Knives and Forks.	

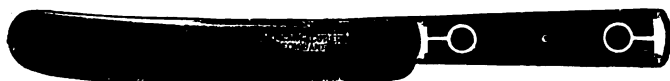
**TABLE CUTLERY.**

## MEDIUM KNIVES AND FORKS.



Code.	No.		
Grotwager	<b>1430</b>	Cocobolo Handle Knives and Forks, Double Bolster, Straight Blade .....	Per gross, \$15.00
Grotworm	<b>1450</b>	Ebony Handle Knives and Forks, Double Bolster, Straight Blade .....	" 17.40
Grotzell	<b>1450</b>	Ebony Handle Knives only, Double Bolster, Straight Blade.....	" 20.25
Grotzuch	<b>1460</b>	Bone Handle Knives and Forks, Double Bolster, Straight Blade.....	" 21.00

One-twelfth gross in a box, six each knives and forks.



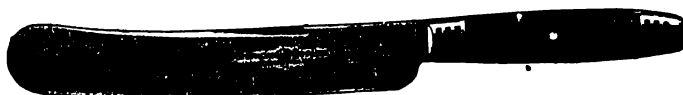
Code.	No.		
Grouett	<b>2398</b>	Cocobolo Handle Knives and Forks, Double Bolster Cimeter and Swaged Blade.....	Per gross, \$18.75
Grouillar	<b>2598</b>	Ebony Handle Knives and Forks, Double Bolster, Cimeter and Swaged Blade.....	" 21.00
Grouteron	<b>2698</b>	Bone Handle Knives and Forks, Double Bolster, Cimeter and Swaged Blade.....	" 25.75

One-twelfth gross in a box, six each knives and forks.



Code.	No.		
Groustill	<b>13328</b>	Cocobolo Handle Knives and Forks, Double Bolster, Cimeter and Swaged Blade.....	Per gross, \$20.25

One-twelfth gross in a box, six each knives and forks.



Code.	No.		
Grouwerk	<b>11308</b>	Cocobolo Handle Knives and Forks, Double Bolster, Cimeter and Swaged Blade.....	Per gross, \$26.40

One-twelfth gross in a box, six each knives and forks.



Code.	No.		
Growall	<b>1305</b>	Cocobolo Handle Knives and Forks, German Silver Ferrule, Cimeter and Swaged Blade.....	Per gross, \$21.40

One-twelfth gross in a box, six each knives and forks.  
Four-tined Forks, Best Quality Steel, Blades Tapered in Grinding.

**TABLE CUTLERY.****KNIVES ONLY.**Code.  
Growbet

No.

**610**—Table, Solid White Bone Handle, Straight Polished Blade .....Per dozen, **\$3.90**  
One dozen in a box.

Code.  
Grownate

No.

**810**—Table, Black Hard Rubber Handle, Straight Polished Blade .....Per dozen, **\$3.90**  
One dozen in a box.

Code.  
Grownlow

No.

**800**—Table, Black Hard Rubber Handle, Straight Polished Blade .....Per dozen, **\$4.20**  
One dozen in a box.

Code.  
Grownsum

No.

**980**—Table, Grained Celluloid Handle, Straight Polished Blade .....Per dozen, **\$6.25**  
One dozen in a box.

**SPECIAL ASSORTMENT TABLE CUTLERY.****MEDIUM KNIVES AND FORKS.**

No. 1878. Cocobolo Handle, with Forks to match.



No. 18B. Cocobolo Handle, with Forks to match.



No. 18C. Cocobolo Handle, with Forks to match.



No. 38B. Bone Handle, with Forks to match.



No. 239S. Cocobolo Handle, with Forks to match.



No. 1332S. Cocobolo Handle, with Forks to match.

We furnish the above carefully selected Medium Table Knives and Forks, packed 12 sets in a case, as follows. We do not break cases.

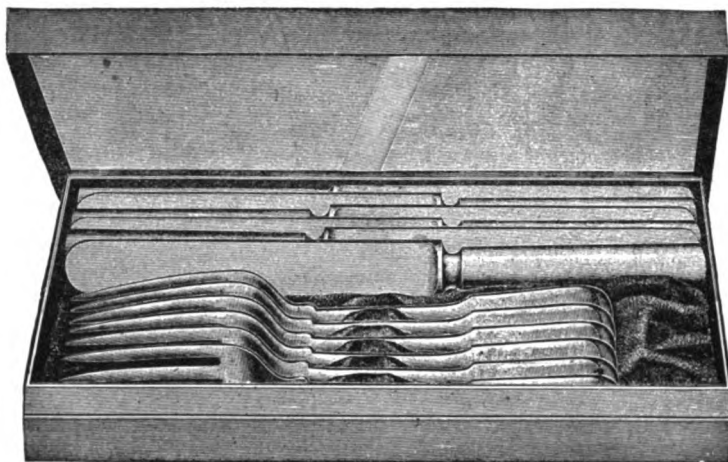
<b>No. 1878</b> —2 sets at \$0.64 per set .....	\$1.28
<b>No. 18B</b> —2 sets at .93 per set .....	1.86
<b>No. 18C</b> —2 sets at 1.08 per set .....	2.16
<b>No. 38B</b> —2 sets at 1.24 per set .....	2.48
<b>No. 239S</b> —2 sets at 1.57 per set .....	3.14
<b>No. 1332S</b> —2 sets at 1.69 per set .....	3.38

Six knives and six forks constitute a set.

Code .....	Groyeron
Per case .....	\$14.30
Weight per case, lbs.....	27
Shipping measurement per case, cubic feet .....	$\frac{3}{8}$

**TABLE CUTLERY—KNIFE AND FORK SETS.**

MALACCA PLATED

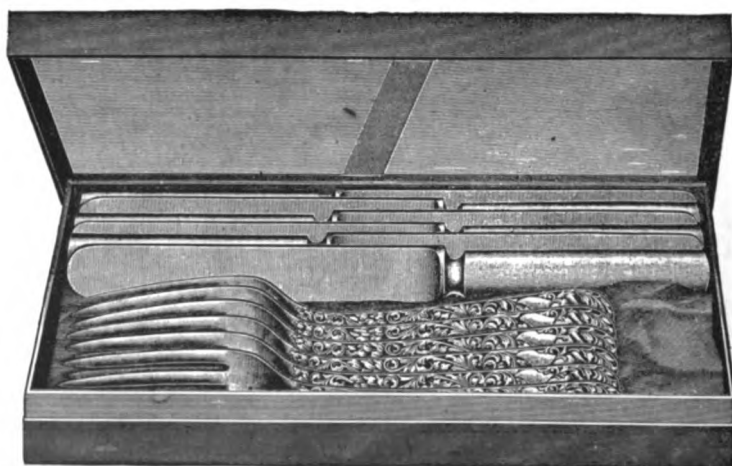


Six No. 6600 Medium Knives and Six No. 900 Medium Forks.

Code.	No.		
Grozabam	6600	—Knives and Forks, Solid Steel, Straight Blade .....	Per set, \$1.50
		One set in satin lined box.	

**KNIFE AND FORK SETS.**

SHEFFIELD COMBINATION. SILVER-PLATED.

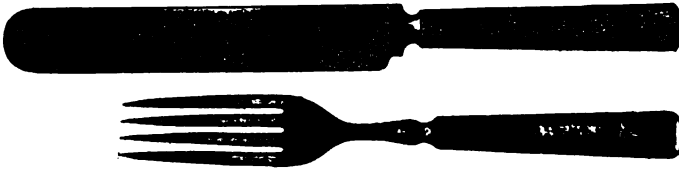


Six No. 6200 Medium Knives and Six Victoria Forks.

Code.	No.		
Grozaris	6200	—Knives and Forks, Solid Steel, Straight Blade .....	Per set, \$2.25
		One set in satin lined box.	

**TABLE CUTLERY.**

MALACCA PLATED KNIVES AND FORKS.

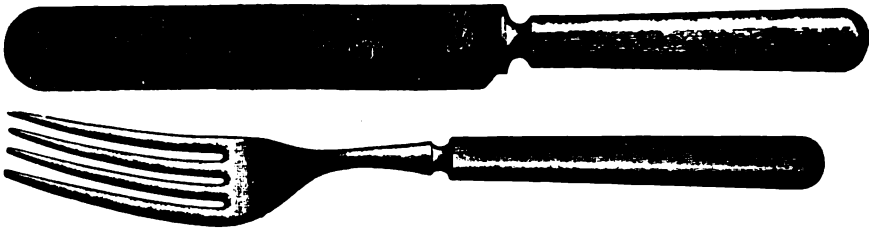


Code.	No.		
Grucator	<b>6600</b>	—Medium Knives only, Solid Steel, Straight Blade.....	Per dozen, \$1.45
Gruchack	<b>900</b>	—Medium Forks only, Solid Steel.....	“ .60

One dozen in a box.

**SILVER-PLATED KNIVES AND FORKS.**

CROWN SILVER WORKS.



Code.	No.		
Grucharz	<b>11</b>	—Medium Knives only, Straight Blade.....	Per dozen, \$3.00
Gruchbeer	<b>111</b>	—Medium Forks only .....	“ 3.00
Grucheret	<b>11-111</b>	—Sets, Medium Knives and Forks .....	“ 3.00

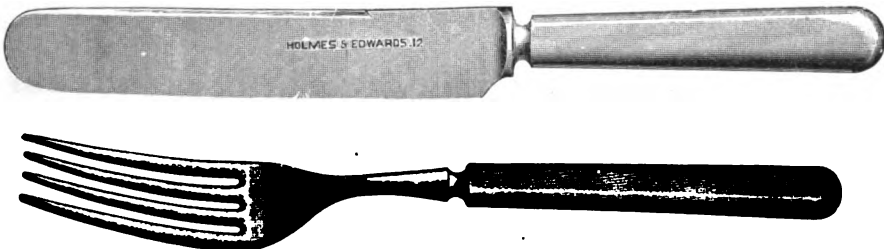
Knives, one dozen in a box; Forks, one-half dozen in a box.

Sets, six each Knives and Forks in satin lined box.



Code.	No.		
Gruchlose	<b>15</b>	—Medium Knives only, Straight Blade, B. S. Co., 10 dwt.....	Per dozen, \$5.00
Gruchione	<b>015</b>	—Dessert Knives only, Straight Blade, B. S. Co., 10 dwt.....	“ 4.75

One dozen in a box.



Holmes &amp; Edwards.

Code.	No.		
Gruchlost	<b>30</b>	—Medium Knives only, Straight Blade, Solid Bright Handle, 12 dwt.....	Per dozen, \$6.50
Gruchstin	<b>31</b>	—Medium Knives only, Straight Blade, Solid Satin-finished Handle, 12 dwt ..	“ 6.50
Gruchthel	<b>130</b>	—Medium Forks only, Solid Bright Handle.....	“ 6.50
Gruchufe	<b>131</b>	—Medium Forks only, Solid Satin-finished Handle .....	“ 6.50

Knives, one-half dozen in a box; Forks, one-half dozen in a box.

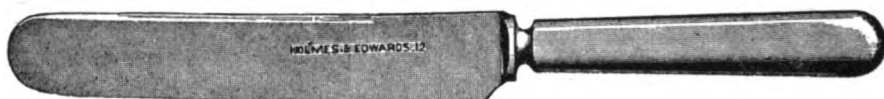
**SILVER-PLATED KNIVES AND FORKS.**

HOLMES &amp; EDWARDS.



Code.	No.		
Gruchzal	<b>49</b>	—Medium Knives only, Solid Shell Handle, Satin Finished, 12 dwt .....	Per dozen, \$7.00
Grudenel	<b>049</b>	—Dessert Knives only, Solid Shell Handle, Satin Finished, 12 dwt .....	" 6.75
Gruderhan	<b>149</b>	—Medium Forks only, Solid Shell Handle, Satin Finished, Triple Plate.....	" 7.00

One-half dozen in a box.



Code.	No.		
Grudermor	<b>84</b>	—Medium Knives only, Cimeter and Swaged Blade, Solid Bright Handle.....	Per dozen, \$7.00
Grudersine	<b>85</b>	—Medium Knives only, Cimeter and Swaged Blade, Solid Satin-finished Handle.....	" 7.00
Gudertug	<b>084</b>	—Dessert Knives only, Cimeter and Swaged Blade, Solid Bright Handle .....	" 6.75
Gruelert	<b>085</b>	—Dessert Knives only, Cimeter and Swaged Blade, Solid Satin-finished Handle.....	" 6.75

One-half dozen in a box.



Code.	No.		
Gruellaff	<b>85</b>	—Medium Knives only, Nickel Silver, Hollow Handle, Waldorf Pattern.....	Per dozen, \$16.00
Gruelloch	<b>085</b>	—Dessert Knives only, Nickel Silver, Hollow Handle, Waldorf Pattern.....	" 14.00

One-half dozen in a box.

Can furnish Nos. 94 and 094 Medium and Dessert Knives, Pearl Pattern at same price as Waldorf.

**MEXICAN SILVER KNIVES.**

SOLID METAL. NO PLATE TO WEAR OFF. FOR HOTELS, RESTAURANTS, ETC.



Code.	No.		
Gruenzell	<b>67</b>	—Medium Knives only, Straight Blade, Highly Tempered .....	Per dozen, \$5.00

One-half dozen in a box.





## SILVER-PLATED FLAT WARE.

RIALTO PATTERN EXTRA PLATE, 5-OUNCE.



Tea Spoon, Full Size.

Spoons.		Per Doz.
Code.		
Grustalan	Tea.....	\$ 4.75
Grustben	Dessert.....	8.50
Grustbill	Table.....	9.50
Grustfeld	Sugar Shell.....	9.00
Grustheck	Sugar Sifter.....	12.00
Grustkett	Coffee, 4¼-inch.....	4.70
Grustkreb	Five O'Clock Tea, 5-inch.....	5.25
Grustlehn	Child's, 5-inch.....	4.75
Grustnade	Ice Cream, 5-inch.....	5.25
Grustsim	Egg.....	5.25
Grutagli	Orange.....	6.00
Grutalid	Salt.....	4.20
Grutaliter	Claret.....	22.50
Grutbien	Mustard.....	4.70
Grutegg	Melon.....	9.00
Grutescom	Bouillon.....	9.00
Grutheis	Preserve.....	18.00
Grutidio	Berry or Ice.....	24.00

Forks.		
Grutinors	Dessert.....	8.50
Grutknop	Medium.....	9.50
Grutmaste	Tea or Child's.....	7.00
Gruttiano	Oyster, 3-Tine, 6-inch.....	6.00
Gruttomar	Berry or Fruit.....	6.00
Gruxanell	Pickle, Cutting Tine, 6-inch.....	7.50
Gruxello	Chow Chow.....	12.00
Gruxolar	Cold Meat.....	15.00
Gruzador	Fish.....	42.00

Knives.		
Gruzastes	Butter, Twist.....	10.50
Gryanth	Butter, Individual.....	8.50
Gryarom	Child's.....	9.00

Knives—Continued.		Per Doz.
Code.		
Grycust	Jelly.....	\$18.00
Gryennis	Pie.....	30.00
Gryllar	Fish.....	42.00

Ladles.		
Gryobic	Cream.....	13.50
Gryochar	Gravy.....	18.00
Gryoclad	Oyster.....	39.00
Gryocorit	Medium.....	48.00
Gryoidin	Soup.....	51.00
Gryologi	Punch, Fancy.....	72.00
Gryoniar	Punch, Hollow Handle.....	102.00
Gryophil	Condensed Milk.....	13.50

Tongs.		
Gryopoge	Medium, 5-inch.....	18.00

Servers.		
Gryopsist	Pie, Hollow Handle XIV.....	41.00
Grysaki	Ice Cream, Hollow Handle XIV.....	41.00
Grytole	Pea.....	24.00
Guander	Tomato.....	24.00
Guansart	Cucumber.....	24.00

Scoops.		
Gubacen	Cheese, Fancy, 8-inch.....	18.00
Gubalido	Cheese, Edam, 6-inch.....	15.00
Gubalorn	Cheese, Hollow Handle.....	30.00

Sets.		
Gubaside	Child's.....	24.00
Gubastite	Butter and Sugar.....	22.00

Gold Blades and Bowls furnished at usual addition to list.

# SILVER-PLATED FLAT WARE.

NASSAU PATTERN. EXTRA PLATE, 5-OUNCE, AND ROLLED PLATE, BUTLER FINISH.



Tea Spoon, Full Size.

Code, Rolled Plate.	Code, 5-Ounce.		Butler Finish Per Doz., Rolled Plate.	Bright Per Doz., 5-Ounce.
<b>Spoons.</b>				
Gubbolam	Gubentruck	Tea.....	\$ 7.50	\$ 4.75
Gubelett	Gubenzweg	Dessert.....	12.75	8.50
Gubenhas	Guberall	Table.....	15.00	9.50
Gubensake	Guberamp	Sugar Shell.....	12.75	9.00
Gubentros	Guberaste	Berry or Ice.....	41.50	24.00
<b>Forks.</b>				
Guberift	Guberlose	Dessert.....	12.75	8.50
Guberizz	Gubernate	Medium.....	15.00	9.50
<b>Knives.</b>				
Guberklat	Gubesarm	Butter, Twist Handle.....	16.75	10.50
<b>Ladles.</b>				
Guberkrom	Gubesing	Cream.....	22.50	13.50

For other prices of 5-Ounce Nassau design see Rialto list prices page 472.

# ELECTRO SILVER-PLATED FLAT WARE.

SPECIAL QUALITY NICKEL-SILVER BASE PLATED WITH PURE-SILVER. "B. S. CO. A1" WINDSOR

PATTERN. SATIN FINISH



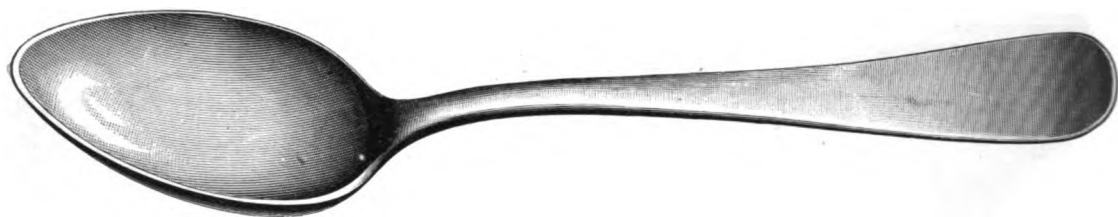
Tea Spoon, Full Size.

Code.		Per doz.	Code.		Per doz.
Gubetoir	Tea Spoons.....	\$2.50	Gubipast	Dessert Forks.....	\$4.50
Gubinabun	Dessert Spoons.....	4.50	Gubipent	Medium Forks.....	5.00
Gubinare	Table Spoons.....	5.00	Gubipole	Sugar Shells.....	4.50
Gubinest	Coffee Spoons.....	2.50	Gubipup	Butter Knives.....	5.00
Gubinfol	Oyster Forks.....	4.35	Gubiquill	Sugar Tongs.....	3.50

One dozen in a box.

**SOLID METAL FLAT WARE.**

"MEXICAN SILVER No. 67" WINDSOR PATTERN. FOR HOTELS, RESTAURANTS, ETC.



Tea Spoon, full size.

Code.		Per doz.	Code.		Per doz.
Gubonal	Tea Spoons .....	\$3.00	Guchakomp	Dessert Forks .....	\$5.00
Guchaden	Dessert Spoons .....	5.00	Guchakose	Medium Forks .....	6.00
Guchaise	Table Spoons .....	6.00	Guchalear	Sugar Shells .....	5.00
			Guchalord	Twist Handle Butter Knives .....	6.00

One dozen in a box.

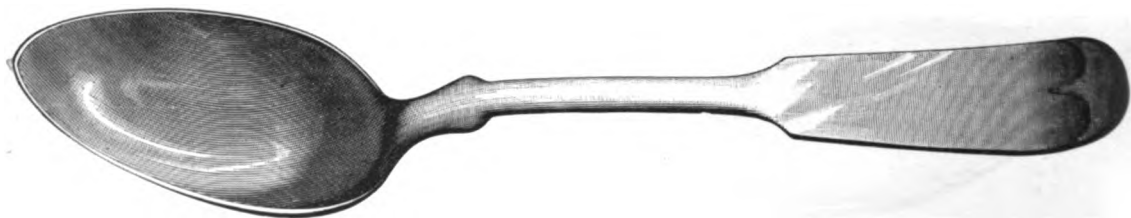
"NICKEL SILVER No 21." FANCY PATTERN. SPECIAL SIZE AND WEIGHT.  
FULL QUALITY NICKEL SILVER.

Tea Spoon, full size.

Code		Per gross,	
Guchante	Tea Spoons .....	\$16 25	
Guchbind	Table Spoons .....	32 50	
Guchdeck	Medium Forks .....	32 50	

One-sixth gross in a box.

"NICKEL SILVER No. 56" TIPPED PATTERN. FULL SIZE. SUPERIOR FINISH AND QUALITY.

Tea Spoon, full size.  
See List next page.

"NICKEL SILVER No. 56" WINDSOR PATTERN.

Tea Spoon, full size.  
See List next page.

**SOLID METAL FLAT WARE.**

"NICKEL SILVER No. 56" SHELL PATTERN.

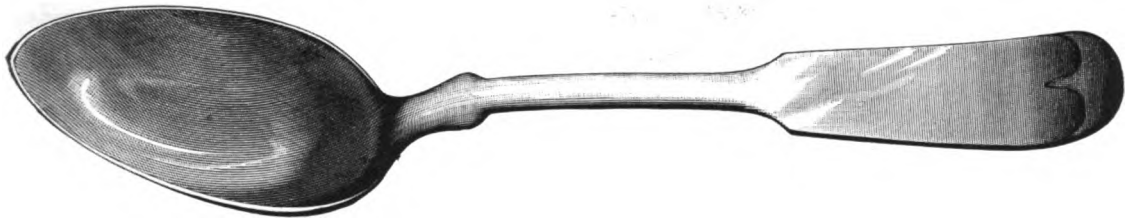


Tea Spoon, full size.

Code.	Code.	Code.		
Tipped.	Windsor.	Shell.		
Guchdruk	Guchmard	Guchzede	Tea Spoons .....	Per gross, \$18.75
Gucheras	Guchmens	Gudaliar	Dessert Spoons.....	" 30.00
Gucherate	Guchmode	Gudellam	Table Spoons.....	" 37.50
Guchetum	Gucholz	Gudengelt	Dessert Forks.....	" 30.00
Guchfin	Guchsban	Gudenkrom	Medium Forks .....	" 37.50

One-sixth gross in a box.

"NICKEL SILVER No. 50" TIPPED PATTERN. HEAVY WEIGHT. UNIFORM. HIGHLY FINISHED.



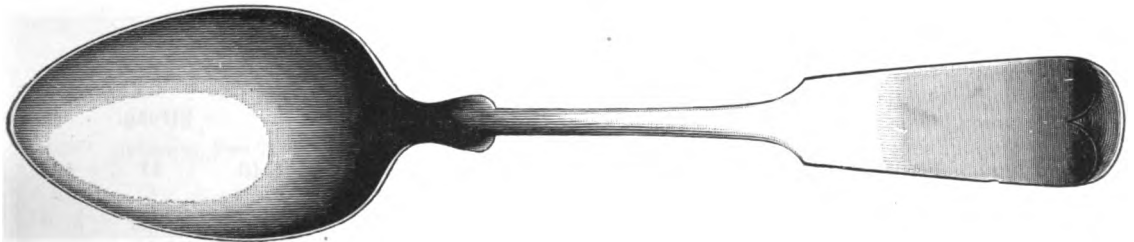
Tea Spoon, full size.

Code.		Per gross.	Code.		Per gross.
Gudissine	Tea Spoons.....	\$22.50	Gudmasch	Dessert Forks.....	\$36.00
Gudistap	Dessert Spoons.....	36.00	Gueffe	Medium Forks.....	45.00
Gudlette	Table Spoons.....	45.00	Guenamient	Sugar Shells.....	36.00
			Gufado	Butter Knives .....	45.00

One-sixth gross in a box.

**SPOONS.**

MALACCA PLATED.



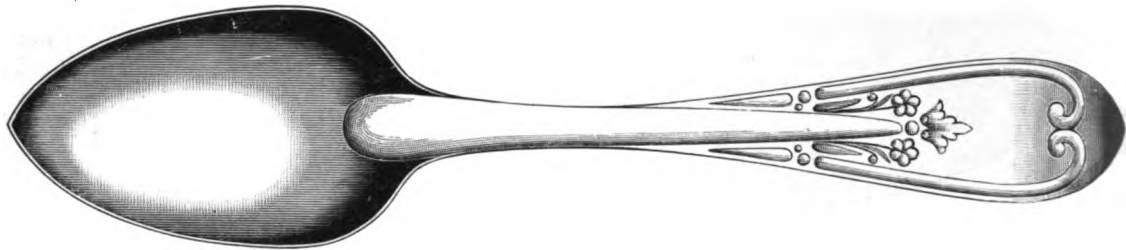
Tea Spoon, full size.

Code.	No.		
Gufalegg	900—	Tea Spoons, Solid Steel, Extra Quality, Fancy Silver Finish.....	Per gross, \$3.00
Gufalina	900—	Table Spoons, Solid Steel, Extra Quality, Fancy Silver Finish.....	" 6.00

Teas, one-quarter gross in a box; Tables, one-sixth gross in a box.

**SPOONS.**

TINNED.

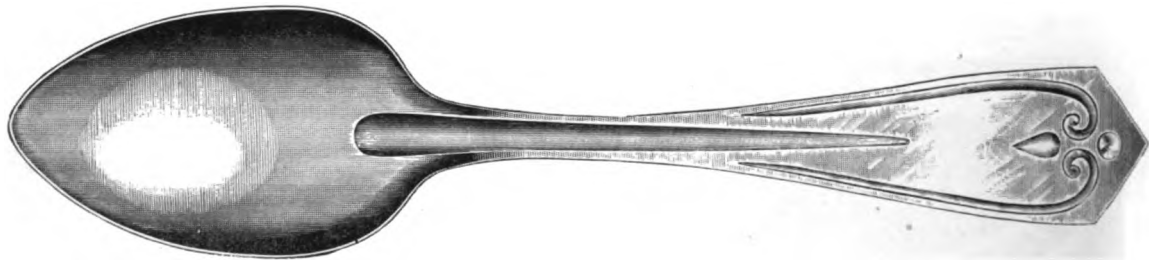


Tea Spoon, Full Size.

Code.	No.		
Gufardis	1886	—Tea Spoons, Tinned on Cast Steel, 6 inches.....	Per gross, \$1.30
Gufferest	1886	—Table Spoons, Tinned on Cast Steel, 7½ inches.....	" 2.60

**THREADED TEA SPOONS.**

RETINNED.



Tea Spoon, Full Size.

Code.	No.		
Gufferote	305	—Tea Spoons, Solid, Retinned, Heavy.....	Per gross, \$2.85
Gufonate	310	—Tea Spoons, Solid, Retinned, Extra Heavy .....	" 3.30

One-half gross in a box.

**THREADED TABLE SPOONS.**

SOLID. RETINNED.



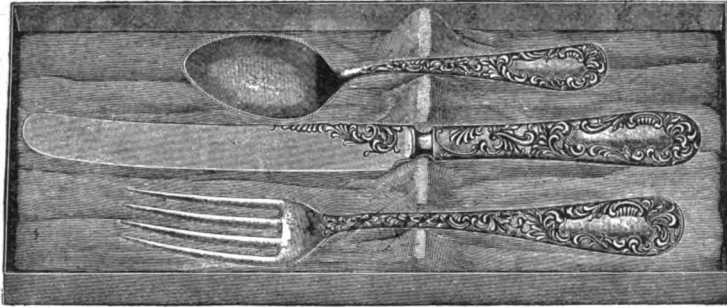
Table Spoon, one-half size, Nos. 20 and 40.

	<b>Strong.</b>		
Code .....	Gufonera	Gufolate	Gufonchi
Numbers.....	40	41	42
Inches .....	7¼	8	8¼
Per gross.....	\$4.75	5.20	5.70
	<b>Extra Strong.</b>		
Code .....	Gufonide	Guhlsuch	Guhlteuf
Numbers.....	20	21	22
Inches .....	7¼	8	8¼
Per gross.....	\$8.05	8.50	9.45

One-half gross in a package.

# CHILD'S SETS.

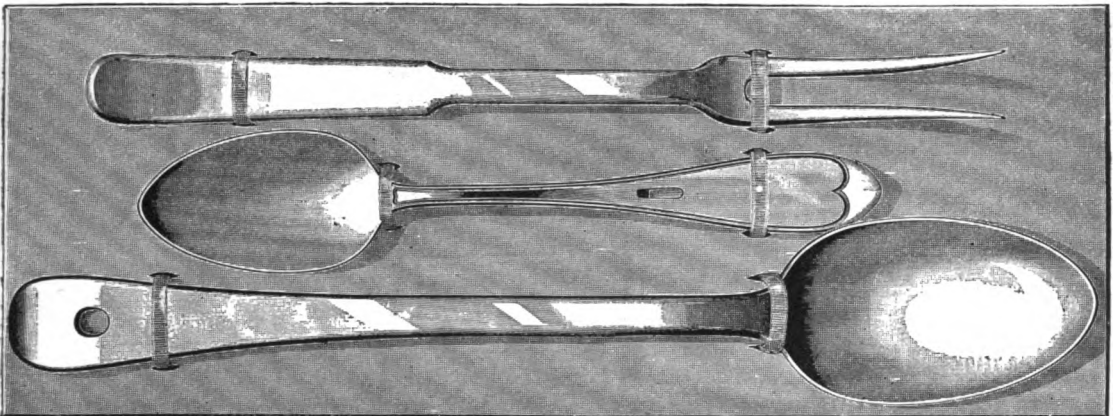
MALACCA PLATED.



Code. No.  
Guhlwerk 1899—Knife, Fork and Spoon, Solid Steel, Fancy Silver Finish.....Per dozen, \$2.50  
One set in satin lined box.

# KITCHEN SETS.

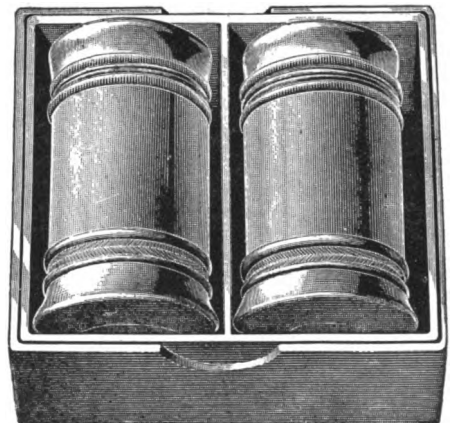
TINNED ON CAST STEEL.



Code. Per dozen sets..... \$1.17  
Gührston  
Set consists of one each 14-inch Basting Spoon, 10-inch Mixing Spoon and 12-inch Fork.  
One set on a card, twelve cards in a box.

# PEPPER AND SALT SETS.

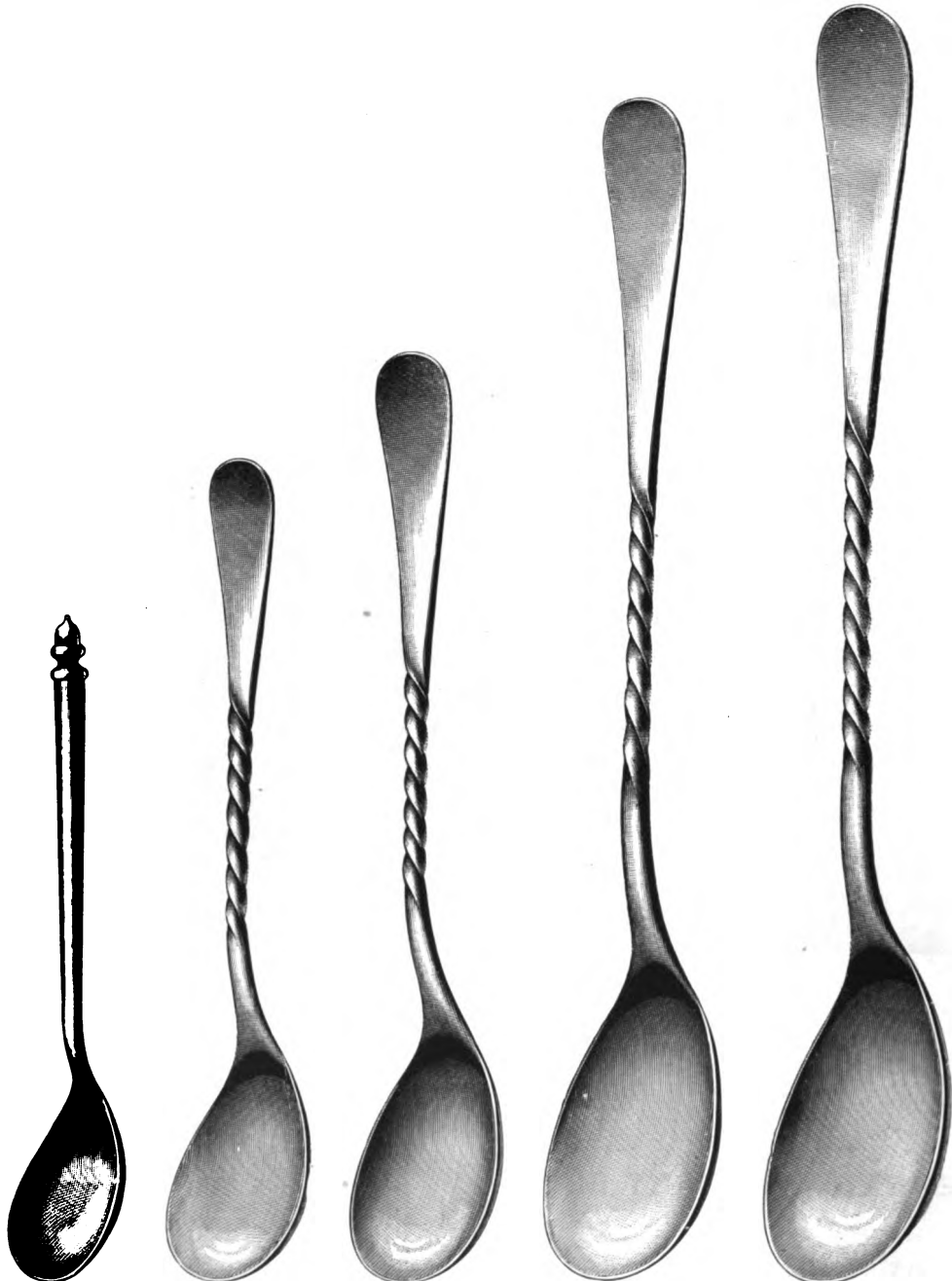
SILVER-PLATED ON GERMAN SILVER.



Code..... Guidell  
Number ..... C  
Per dozen sets..... \$3.75  
One set in a box.

BAR SPOONS.

NICKEL-SILVER METAL BASE. "B. S. CO. A1" SILVER-PLATED.



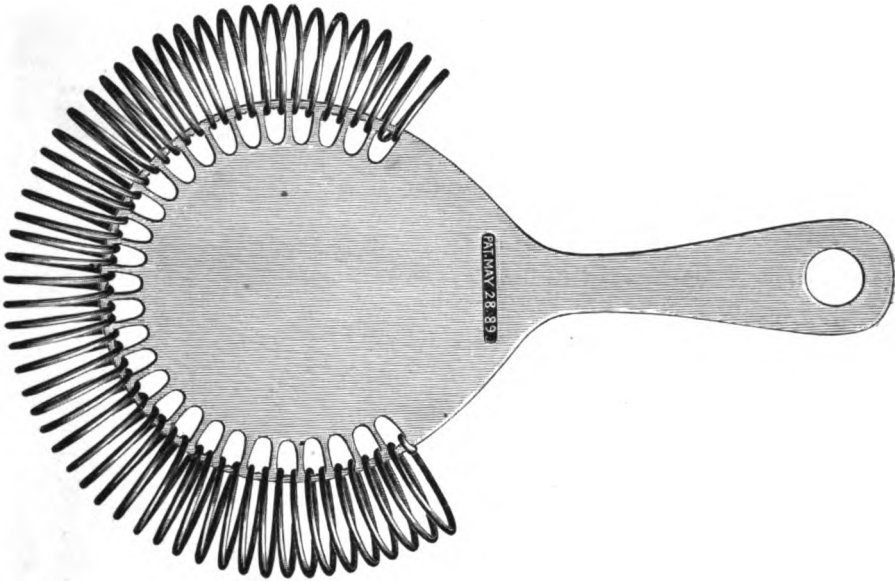
Delmonico      Twist, 4½ in.      Twist, 5 in.      Twist, 6 in.      Twist, 7 in.

Code.		Per Doz
Guidelrit	Delmonico Bar Spoons .....	\$3.50
Guikban	Windsor Twist Bar Spoons, 3¼-inch.....	3.75
Guikgorde	Windsor Twist Bar Spoons, 4½-inch .....	4.00
Guikholt	Windsor Twist Bar Spoons, 5-inch.....	4.50
Guikpass	Windsor Twist Bar Spoons, 6-inch.....	5.50
Guikwand	Windsor Twist Bar Spoons, 7-inch.....	6.25
Guikwurm	Windsor Twist Bar Spoons, 8¼-inch.....	7.00
Guildrest	Windsor Round Bowl Soda Spoons, 8¼-inch.....	7.00



# LINDLEY'S PATENT JULEP STRAINERS.

EXTRA XIV SECTIONAL PLATE.

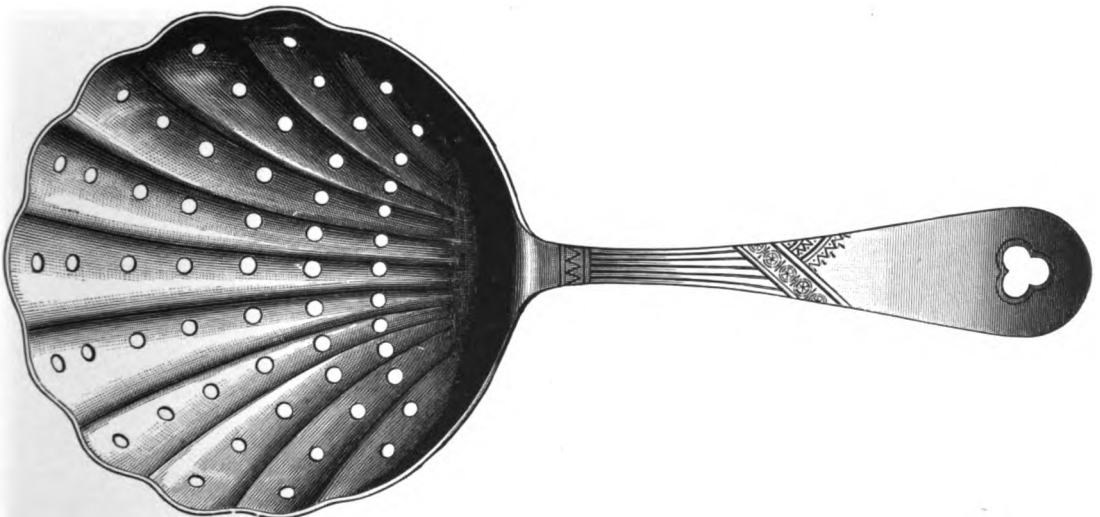


Code.....	Guilkame
Per dozen .....	\$13.00

One-half dozen in a box.

# FLUTED JULEP STRAINERS.

NICKEL-SILVER METAL BASE. "B. S. CO. A1" SILVER-PLATED.



Code.....	Guilkmode	Guilkiste
Size.....	Small	Large
Bowl, inches.....	2	3
Per dozen.....	\$7.00	9.00

One dozen in a box.

**LEMON KNIVES.**

One-half Size.

Code.	No.		
Guilmole	80—	Plated on Nickel-silver. Saw Back. 12 dwt.....	Per dozen, \$6.50
Guiltreg	67—	Mexican Silver. Saw Back. Solid Metal .....	" 5.00

## SECTION 16.

### MENLO ENAMELED WARE.

MIXED BLUE AND WHITE OUTSIDE. WHITE INSIDE.

WARRANTED TRIPLE COATED.



## HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK.

## MENLO ENAMELED WARE.

The fact that quality is the most important feature connected with enameled ware leads us to make the broad statement that Menlo Enameled Ware is second to none. It is manufactured expressly for Holbrook, Merrill & Stetson, and is so labeled. The ware has a beautiful blue and white exterior and a white interior. Each piece receives three coatings inside and out.

The white lining is a hard, vitreous coat that resists acids of all kinds, grease and any other substances that so quickly take the life out of the ordinary chalky white that so many manufacturers use in order to give their goods a high finish.

The enamel on Menlo Ware is prepared by experienced chemists and is absolutely free from any poisonous substance. It is not affected by heat or cold and has a tenacious hold on the steel.

The shapes are the most desirable and are uniform in size and weight.

In ordering Menlo Enameled Ware by telegraph it is only necessary to use the code word over the number or size of the article wanted preceded by words from the code in the front of this book.

EXAMPLE:—Crosistas acicate each gunigon hafenan.

TRANSLATION:—Ship by railroad immediately four and one-half dozen each number ten Menlo Cups and number thirty Menlo Pie Plates.



## MENLO COFFEE BICCINS.

RETINNED TOPS AND COVERS. HOLLOW ENAMELED  
STEEL HANDLES. SEAMLESS BODIES.

Code.....	Guisgate	Guiskorad	Guispolip
Numbers.....	<b>00</b>	<b>010</b>	<b>020</b>
Quarts.....	1	1½	2
Inches.....	4¾	5	5¾
Weight per doz., lbs.....	15	18	21
Per dozen.....	\$20.00	23.00	26.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	55	57	60
Shipping measure per case, cubic feet.	5¼	6	6¼

Code.....	Guisvorm	Guitenbud	Guitenkel
Numbers.....	<b>080</b>	<b>040</b>	<b>050</b>
Quarts.....	3	4	5
Inches.....	6¼	7	7½
Weight per doz., lbs.....	24	27	30
Per dozen.....	\$29.00	32.00	35.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	63	65	70
Shipping measure per case, cubic feet.	7	7½	7¾

## MENLO COFFEE BOILERS.

FLAT BOTTOMS. RETINNED COVERS.

Code.....	Guitenmur	Guitmake	Guitrone	Guiszard
Numbers.....	<b>60</b>	<b>70</b>	<b>80</b>	<b>90</b>
Quarts.....	5	6	8	11
Inches.....	8	8½	9½	10½
Weight per doz., lbs.	25	30	40	50
Per dozen.....	\$26.00	29.00	32.00	38.00
Case lots, doz.....	1	1	1	1
Wght. per case, lbs.	60	75	90	100
Shipping measure per case, cubic feet.....	7	8½	10½	12½

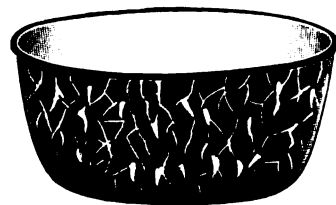
## MENLO MILK OR RICE BOILERS.

SEAMLESS. ENAMELED COVERS.

Code.....	Gulacane	Gulangame	Gulapath
Numbers.....	<b>521</b>	<b>581</b>	<b>541</b>
Inside boiler, quarts.....	1½	2	2½
Weight per doz., lbs.....	20	25	28
Per dozen.....	\$24.00	31.00	40.00
Case lots, doz.....	2	1	1
Weight per case, lbs.....	75	50	60
Shipping measure per case, cubic feet.	6½	7¾	.....

Code.....	Gulbifer	Gulbiform	Gulbipart	Gulbocod
Numbers.....	<b>551</b>	<b>561</b>	<b>571</b>	<b>581</b>
Inside boilers, quarts.....	3	4	5	6
Weight per doz., lbs.....	31	34	38	40
Per dozen.....	\$44.00	49.00	57.00	66.00
Case lots, doz.....	1	1	1	1
Weight per case, lbs.....	65	70	75	80
Shipping measure per case, cubic feet.....	.....	10½	11	.....

## MENLO SEAMLESS MIXING BOWLS.



Code.....	Gulbomana	Gulderd	Gulephor
Numbers .....	<b>10</b>	<b>12</b>	<b>14</b>
Quarts.....	$\frac{3}{4}$	1	$1\frac{1}{2}$
Inches.....	$5 \times 2\frac{1}{4}$	$6 \times 2\frac{3}{4}$	$6\frac{1}{2} \times 3\frac{1}{4}$
Weight per doz., lbs.....	3	4	5
Per dozen.....	\$4.50	5.25	6.00
Case lots, doz.....	6	6	6
Weight per case, lbs.....	35	40	45
Shipping measure per case, cubic feet.....	.....	.....	$2\frac{1}{12}$

Code .....	Gulhafer	Gulhome	Gullarie	Gullation	Gullenade	Gullenkop	Gulletine	Gullimust
Numbers.....	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>
Quarts.....	2	$2\frac{1}{2}$	3	4	5	6	$7\frac{1}{2}$	10
Inches.....	$7 \times 3\frac{1}{2}$	$7\frac{3}{4} \times 3\frac{1}{2}$	$8\frac{1}{2} \times 3\frac{3}{4}$	$9 \times 4$	$9\frac{3}{4} \times 4\frac{1}{4}$	$11 \times 5$	$11\frac{1}{4} \times 5\frac{1}{2}$	$12 \times 6$
Weight per doz., lbs.....	6	7	8	9	12	15	18	21
Per dozen.....	\$6.75	7.50	8.50	10.00	12.00	14.00	16.00	18.00
Case lots, doz.....	6	6	6	4	3	3	3	2
Weight per case, lbs.....	50	55	60	50	50	60	70	60
Shipping measure per case, cubic feet...	3	$3\frac{1}{2}$	$3\frac{3}{4}$	.....	.....	.....	.....	.....

## MENLO SOUP BOWLS.

NAVY PATTERN.



Code.....	Gulliremo
Number.....	<b>115</b>
Inches.....	$5\frac{1}{2} \times 4$
Weight per doz., lbs .....	5
Per dozen .....	\$7.00
Case lots, doz.....	6
Weight per case, lbs.....	45
Shipping measure per case, cubic feet.....	$1\frac{1}{3}$

## MENLO WASH BOWLS.

WITH EYELETS.



Code.....	Gulliver	Gulliviss	Gulsimore
Numbers .....	<b>24</b>	<b>26</b>	<b>28</b>
Inches.....	$9\frac{1}{2}$	$10\frac{1}{2}$	$11\frac{1}{2}$
Weight per doz., lbs.....	10	11	14
Per dozen.....	\$6.00	7.00	8.00
Case lots, doz.....	6	6	6
Weight per case, lbs.....	75	85	95
Shipping measure per case, cubic feet.....	.....	.....	$2\frac{1}{4}$

Code .....	Gultowe	Gumastic	Gumastore	Gumbaze
Numbers.....	<b>30</b>	<b>32</b>	<b>34</b>	<b>36</b>
Inches.....	$12\frac{1}{4}$	13	14	15
Weight per doz., lbs.....	15	16	20	24
Per dozen.....	\$9.00	11.00	13.00	15.00
Case lots, doz.....	6	6	6	6
Weight per case, lbs.....	105	115	150	175
Shipping measure per case, cubic feet.....	$2\frac{3}{4}$	$2\frac{5}{8}$	$3\frac{1}{4}$	4



### MENLO CHAMBERS.

Code.....	Gumbote	Gumkin	Gummalot
Numbers.....	<b>1</b>	<b>1 ½</b>	<b>2</b>
Inches.....	7 ¼ x 4 ½	9 ¼ x 4 ½	10 ¼ x 5 ½
Weight per doz., lbs.....	15	20	25
Per dozen .....	\$12.00	15.00	18.00
Case lots, doz.....	2	1	1
Weight per case, lbs.....	50	40	50
Shipping measure per case, cubic ft..	.....	.....	.....



### MENLO CHAMBER COVERS.

Code.....	Gummelzag	Gumodis	Gumperite
Numbers .....	<b>1</b>	<b>1 ½</b>	<b>2</b>
Weight per doz., lbs.....	4	8	8 ½
Per dozen.....	\$5.00	6.00	7.00
Case lots, doz.....	6	6	6
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet.	.....	.....	.....



### MENLO COLANDERS.

#### SEAMLESS.

Code.....	Gumpton	Gumskell	Gunbury	Gundesak
Numbers.....	<b>104</b>	<b>205</b>	<b>306</b>	<b>407</b>
Inches.....	10	10 ½	11 ½	13
Wght. per doz., lbs.	11	14	15	16
Per dozen .....	\$10.00	12.00	15.00	18.00
Case lots, doz.....	3	3	3	3
Wght. per case, lbs..	45	55	60	65
Shipping measure per case, cubic feet.....	4 ¼	4 ¾	4 ¾	5



### MENLO DRINKING CUPS.

#### DEEP.

Code.....	Gundholt	Gundrime	Gunigon	Gunogeni
Numbers .....	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
Pints.....	½	¾	1	1 ¼
Inches.....	3 ¾ x 2	3 ¾ x 2 ¼	4 ½ x 2 ¾	4 ¾ x 2 ¾
Wght. per doz., lbs.	3	3	4	5
Per dozen .....	\$3.50	3.75	4.00	4.50
Case lots, doz.....	6	6	6	6
Wght. per case, lbs..	30	35	40	45
Shipping measure per case, cubic feet.....	.....	.....	.....	.....

**MENLO STRAIGHT CUPS.****SEAMLESS.**

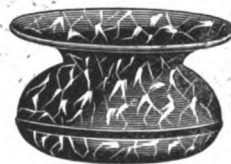
Code.....	Gunoleri	Gunschut	Guntbars	Guntlap
Numbers .....	<b>0</b>	<b>6</b>	<b>120</b>	<b>140</b>
Pints .....	$\frac{1}{2}$	1	2	4
Inches.....	$3\frac{1}{2} \times 2\frac{1}{8}$	$4 \times 2\frac{1}{2}$	$5\frac{1}{4} \times 3\frac{1}{2}$	$6 \times 4$
Wght. per doz., lbs.	3	4	7	11
Per dozen .....	\$4.50	6.00	9.00	10.00
Case lots, doz.....	6	6	4	3
Wght. per case, lbs.	35	40	50	65
Shipping measure per case, cubic feet.....	$3\frac{1}{4}$	$3\frac{1}{4}$	.....	.....

**MENLO CUPS AND SAUCERS.**

Code.....	Guondate	Guparite	Guphon	Guprestid
Numbers .....	<b>81</b>	<b>91</b>	<b>110</b>	<b>111</b>
Cup, pints .....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Cup, inches.....	$3\frac{3}{8} \times 2$	$3\frac{7}{8} \times 2\frac{1}{4}$	$4\frac{1}{8} \times 2\frac{3}{8}$	$4\frac{3}{4} \times 2\frac{3}{8}$
Saucer diam., inches	5	$5\frac{3}{4}$	$6\frac{1}{4}$	$6\frac{3}{4}$
Wght. per doz., lbs.	5	$5\frac{1}{2}$	6	$6\frac{1}{2}$
Per dozen .....	\$6.50	7.00	7.50	8.00
Case lots, doz.....	6	6	6	6
Wght. per case, lbs.	45	45	55	55
Shipping measure per case, cubic feet.....	.....	.....	.....	.....

**MENLO CUSPIDORS.**

Code.....	Gurattell	Gurbante	Gurberin
Numbers .....	<b>10</b>	<b>20</b>	<b>40</b>
Inches.....	7x4	$7\frac{1}{4} \times 4\frac{1}{8}$	$8\frac{1}{4} \times 5\frac{1}{4}$
Weight per dozen, lbs.....	8	9	12
Per dozen .....	\$9.00	12.00	18.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	35	40	50
Shipping measure per case, cubic feet..	.....	$7\frac{1}{4}$	$7\frac{5}{12}$

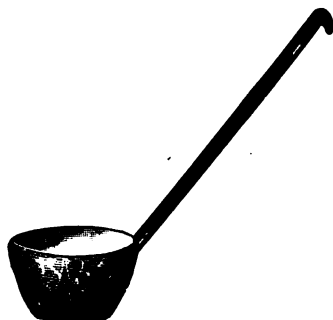
**MENLO COCOA-SHAPED  
DIPPERS.**

WITH ENAMELED WOOD HANDLES.

Code.....	Gurbotes
Number.....	<b>55</b>
Pint.....	1
Inches.....	$3\frac{1}{2} \times 3\frac{3}{8}$
Weight per doz., lbs.....	6
Per dozen.....	\$10.00
Case lots, doz.....	6
Weight per case, lbs.....	50
Shipping measurement per case, cubic feet.....	.....





**MENLO CUP DIPPERS.**

## FLAT HANDLES.

Code.....	Gurbovant	Gurbowall	Gurbozest	Gurbozule
Numbers.....	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
Inches.....	3 5/8 x 2	3 7/8 x 2 1/4	4 1/8 x 2 3/8	4 3/8 x 2 5/8
Wt. per doz., lbs.....	3	3 1/2	4	5
Per dozen.....	\$4.50	5.00	6.00	7.00
Case lots, doz.....	6	6	6	6
Wt. per case, lbs.....	30	35	35	40
Ship. meas. per case, cu. ft. ....	.....	.....	.....	.....

**MENLO FLARING DIPPERS.**

## FLAT HANDLES.



Code.....	Gurchiel	Gurdache	Gurdinair	Gurdiste
Numbers.....	<b>010</b>	<b>011</b>	<b>012</b>	<b>018</b>
Inches.....	4 1/8 x 2 1/4	4 1/4 x 2 1/2	5 x 2 3/4	5 1/2 x 3
Wt. per doz., lbs.....	5	5 1/2	6	6 1/2
Per dozen.....	\$5.00	5.50	6.00	7.00
Case lots, doz.....	6	6	6	6
Wt. per case, lbs.....	40	45	45	50
Ship. meas. per case, cu. ft. ....	.....	.....	.....	.....

**MENLO WINDSOR DIPPERS.**

## IMPROVED ROUND ENAMELED HANDLES.



Code.....	Gurevine	Gurgales
Numbers.....	<b>110</b>	<b>112</b>
Quarts.....	1	2
Inches.....	5 x 2 3/4	5 3/4 x 3
Weight per doz., lbs.....	8	10
Per dozen.....	\$7.00	8.00
Case lots, doz.....	6	6
Weight per case, lbs.....	55	70
Shipping measurement per case, cu. ft..	.....	.....

**MENLO WALL SOAP DISHES.**

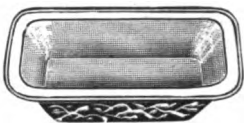
## WITH DRAINERS.



Code.....	Gurgaudin
Number.....	<b>60</b>
Inches.....	6 1/2 x 4 x 1 1/2
Weight per doz., lbs.....	4 1/4
Per dozen.....	\$6.00
Case lots, doz.....	6
Weight per case, lbs.....	40
Shipping measurement per case, cubic feet....	1 1/2

**MENLO OBLONG PUDDING  
DISHES.**

Code .....	Gurgonat	Gurgunde	Gurilabas
Numbers.....	<b>10</b>	<b>11</b>	<b>12</b>
Inches.....	10 3/8 x 7 1/2	11 3/8 x 8	12 1/4 x 8 3/4
Weight per doz., lbs.....	6	9 1/4	11
Per doz.....	\$9.00	10.00	11.00
Case lots, doz.....	6	6	4
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft..	.....	.....	.....



Code.....	Gurladera	Gurlaremo	Gurlator
Numbers.....	<b>13</b>	<b>14</b>	<b>15</b>
Inches.....	13 1/2 x 10	14 1/8 x 10 3/8	15 1/8 x 11 1/2
Weight per dozen, lbs.....	.....	.....	.....
Per dozen.....	\$12.00	13.00	16.00
Case lots, doz.....	4	4	4
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....

**MENLO PEERLESS FUNNELS.**

SEAMLESS. WITH SIDE HANDLES.

Code.....	Gurlerest	Gurlescot	Gurlone
Numbers.....	<b>10</b>	<b>11</b>	<b>12</b>
Pint.....	1/2	1/2	1
Weight per doz. lbs.....	3	3 1/2	5
Per dozen.....	\$8.00	9.00	10.00
Case lots, doz.....	6	6	4
Weight per case, lbs.....	30	35	35
Ship. meas. per case, cu. ft....	.....	.....	.....



Code.....	Gurnish	Gurrell	Gurriche
Numbers.....	<b>18</b>	<b>14</b>	<b>15</b>
Pints.....	2	4	8
Weight per doz., lbs.....	7	10	14
Per doz.....	\$11.00	13.00	15.00
Case lots, doz.....	2	2	1
Weight per case, lbs.....	30	35	30
Shipping measure per case, cubic feet.....	.....	.....	.....

# **MENLO BERLIN KETTLES.**

WITH ENAMELED COVERS.



Code.....	Gursatile	Gusarda	Guscadore	Guscarone
Numbers.....	<b>021</b>	<b>031</b>	<b>041</b>	<b>051</b>
Quarts.....	2	3	4	5
Inches.....	6x3	7x3 $\frac{7}{8}$	7 $\frac{1}{2}$ x4 $\frac{3}{8}$	8x4 $\frac{3}{8}$
Wt. per doz., lbs.....	12	14	18	21
Per dozen.....	\$13.00	16.00	19.00	21.00
Case lots, doz.....	2	2	2	1
Wt. per case, lbs.....	50	65	70	45
Ship. meas. per case, cu. ft.	3 $\frac{1}{4}$	5 $\frac{1}{6}$	7	.....

Code.....	Gusdrage	Gushment	Guskine	Guskruit
Numbers.....	<b>061</b>	<b>081</b>	<b>0101</b>	<b>0121</b>
Quarts.....	6	8	10	12
Inches.....	8 $\frac{1}{2}$ x5	9 $\frac{1}{4}$ x5 $\frac{3}{4}$	10 $\frac{1}{4}$ x6 $\frac{3}{8}$	11 $\frac{1}{4}$ x6 $\frac{3}{4}$
Weight per doz., lbs.....	25	30	35	42
Per dozen.....	\$24.00	28.00	36.00	42.00
Case lots, doz.....	1	1	1	1
Weight per case, lbs.....	55	60	65	80
Shipping measure per case, cubic feet.....	.....	8	11 $\frac{1}{2}$	12

# **MENLO LIPPED PRESERVING KETTLES.**



Code.....	Guspino	Gusschote	Gusseld	Gussolant
Numbers.....	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>
Quarts.....	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3
Inches.....	6 $\frac{1}{2}$ x3 $\frac{1}{4}$	7 $\frac{1}{4}$ x3 $\frac{1}{4}$	7 $\frac{3}{4}$ x3 $\frac{1}{2}$	8 $\frac{1}{2}$ x3 $\frac{3}{4}$
Wt. per doz., lbs.....	8	9	10	13
Per dozen.....	\$6.50	7.50	8.50	10.00
Case lots, doz.....	6	4	4	4
Wt. per case, lbs.....	65	60	65	70
Ship. meas. per case, cu. ft.	.....	.....	.....	.....

Code.....	Gus-wege	Gustamet	Gustolize	Gustrofede	Gutargast	Gutenhofe	Gutergot
Numbers.....	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>	<b>36</b>
Quarts.....	4	5	6	8	10	12	14
Inches.....	9x4	9 $\frac{3}{4}$ x4 $\frac{1}{8}$	11x5	11 $\frac{1}{4}$ x5 $\frac{1}{2}$	12x6	13x5 $\frac{1}{4}$	14x6 $\frac{1}{4}$
Weight per doz., lbs.....	16	17	22	24	32	35	45
Per dozen.....	\$11.50	13.00	15.00	18.00	21.00	24.00	30.00
Case lots, doz.....	3	4	2	2	1	1	1
Weight per case, lbs.....	65	95	60	70	45	50	60
Shipping measure per case, cu. ft.....	.....	.....	.....	.....	.....	.....	.....

**MENLO STRAIGHT KETTLES.**

SEAMLESS. ENAMELED COVERS.

Code .....	Guthrote	Gutignor	Gutment
Numbers.....	<b>51</b>	<b>71</b>	<b>91</b>
Quarts.....	1	2	3
Inches.....	5 $\frac{1}{8}$ x3 $\frac{1}{2}$	6x4	7x4 $\frac{7}{8}$
Weight per dozen, lbs.....	11	15	18
Per dozen.....	\$12.00	15.00	18.00
Case lots, dozen.....	2	2	2
Weight per case, lbs.....	35	50	65
Shipping measurement per case, cu. ft. ....	.....	.....	.....



Code.....	Gutonick	Gutorder	Gutskip
Numbers.....	<b>101</b>	<b>121</b>	<b>141</b>
Quarts.....	4	6	8
Inches.....	7 $\frac{1}{2}$ x5 $\frac{1}{8}$	8 $\frac{1}{2}$ x6	9 $\frac{1}{4}$ x6 $\frac{3}{4}$
Weight per dozen, lbs.....	22	25	28
Per dozen.....	\$21.00	28.00	34.00
Case lots, dozen.....	1	1	1
Weight per case, lbs.....	50	60	70
Shipping measurement per case, cubic feet.....	.....	.....	.....

**MENLO TEA KETTLES.**

FLAT BOTTOMS. ENAMELED COVERS.

Code.....	Guttafuco	Guttagram	Guttasell	Guttelrose	Gutterfas
Numbers.....	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>	<b>90</b>
Quarts.....	3	4	5	7	8
Inches.....	8	8 $\frac{1}{2}$	9 $\frac{1}{2}$	10 $\frac{1}{4}$	11
Wt. per doz., lbs..	18	20	22	25	28
Per dozen .....	\$23.00	26.00	30.00	35.00	42.00
Case lots, doz.	1	1	1	1	1
Wt. per case, lbs..	50	60	65	75	80
Ship. measurement per case, cu. ft. ....	.....	5 $\frac{1}{3}$	6 $\frac{1}{2}$	8 $\frac{1}{2}$	9 $\frac{1}{4}$

**MENLO TEA KETTLES.**

PIT BOTTOMS. ENAMELED COVERS.

Code .....	Guttermag	Gutterweb
Numbers .....	<b>7</b>	<b>8</b>
Quarts.....	5	7
Pit, inches.....	7	8
Weight per dozen, lbs.....	22	25
Per dozen.....	\$30.00	35.00
Case lots, dozen.....	1	1
Weight per case, lbs.....	65	75
Shipping measurement per case, cu. ft. ....	6 $\frac{1}{2}$	8 $\frac{1}{2}$



## MENLO DEEP LADLES.

FLAT HANDLES. SOLID.



Code .....	Gutthore	Guttruss	Gutzborn
Numbers .....	<b>90</b>	<b>100</b>	<b>110</b>
Inches .....	3 $\frac{3}{4}$	4	4 $\frac{1}{2}$
Weight per dozen, lbs.....	3	3	3
Per dozen.....	\$4.00	4.50	5.00
Case lots, dozen.....	6	6	6
Weight per case, lbs.....	35	35	35
Shipping measurement per case, cu. ft....	.....	1 $\frac{7}{8}$	1 $\frac{11}{16}$

## MENLO DEEP LADLES.

FLAT HANDLES. PIERCED.



Code .....	Gutzenman	Gutzkope	Gutzwinke
Numbers .....	<b>91</b>	<b>101</b>	<b>111</b>
Inches .....	3 $\frac{3}{4}$	4	4 $\frac{1}{2}$
Weight per dozen, lbs.....	3	3	3
Per dozen.....	\$4.50	5.00	5.50
Case lots, dozen.....	6	6	6
Weight per case, lbs.....	35	35	35
Shipping measurement per case, cu. ft....	.....	1 $\frac{7}{8}$	1 $\frac{11}{16}$

## MENLO STANDARD MEASURES.

SEAMLESS.



Code .....	Guvinday	Guvion	Guvotte	Guyandier	Guyare
Numbers.....	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>
Pints.....	$\frac{1}{2}$	1	2	4	8
Weight per doz., lbs.	4	5	10	15	25
Per dozen.....	\$10.00	14.00	18.00	24.00	30.00
Case lots, doz..	6	6	2	1	1
Weight per case, lbs.	40	45	40	35	50
Ship. measurement per case, cu. ft....	.....	.....	.....	.....	.....

## MENLO WATER PAILS.

SEAMLESS.



Code .....	Guzabase	Guzaghar	Guzamiente	Guzarest
Numbers .....	<b>108</b>	<b>110</b>	<b>112</b>	<b>114</b>
Quarts.....	8	10	12	15
Inches.....	9 $\frac{1}{4}$ x 7 $\frac{1}{2}$	10 $\frac{1}{4}$ x 8 $\frac{1}{4}$	11 x 9 $\frac{1}{2}$	12 x 9 $\frac{3}{4}$
Weight per dozen, lbs...	30	35	40	45
Per dozen.....	\$21.00	24.00	30.00	36.00
Case lots, dozen....	2	2	1	1
Weight per case, lbs. ...	85	100	60	70
Ship. meas. per case, cu. ft.	5 $\frac{1}{4}$	6	3 $\frac{5}{8}$	4 $\frac{1}{3}$

**MENLO APPLE BAKE PANS.**

Code .....	Guzarimo	Guzonera	Guzotine
Numbers .....	<b>20</b>	<b>40</b>	<b>60</b>
Quarts .....	2	4	6
Inches .....	8 1/2 x 2	10 7/8 x 2 1/2	12 3/8 x 2 3/4
Weight per dozen, lbs. ....	9	15	16
Per dozen .....	\$7.25	9.00	12.00
Case lots, dozen .....	3	3	3
Weight per case, lbs. ....	40	50	60
Shipping measure per case, cu. ft. ....	.....	.....	.....

**MENLO ROUND BAKE PANS.**

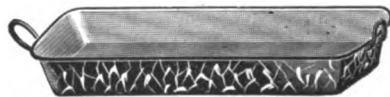
Code .....	Guzurge	Guzygent	Guzzard
Numbers .....	<b>20</b>	<b>30</b>	<b>40</b>
Quarts .....	2	3	4
Inches .....	8 1/2 x 3	9 1/4 x 3 1/4	10 1/4 x 3 1/4
Weight per dozen, lbs. ....	9	10	13
Per dozen .....	\$7.50	8.25	9.00
Case lots, dozen .....	3	3	3
Weight per case, lbs. ....	40	45	50
Shipping measure per case, cu. ft. ....	.....	.....	.....



Code .....	Guzzicar	Guzzichi	Guzzom
Numbers .....	<b>50</b>	<b>60</b>	<b>80</b>
Quarts .....	5	6	8
Inches .....	11 x 3 1/2	11 1/2 x 3 1/2	12 1/2 x 4
Weight per dozen, lbs. ....	15	16	18
Per dozen .....	\$10.50	12.00	14.00
Case lots, dozen .....	3	3	3
Weight per case, lbs. ....	60	65	70
Shipping measure per case, cubic feet .....	.....	.....	.....

**MENLO OBLONG STOVE PANS.****SEAMLESS.**

Code .....	Gyarde	Gyblidin	Gyblast
Numbers .....	<b>300</b>	<b>325</b>	<b>350</b>
Inches .....	8 1/2 x 12 x 2 1/4	9 x 13 x 2 1/2	9 1/2 x 14 x 2 1/2
Weight per dozen, lbs. ....	.....	.....	.....
Per dozen .....	\$14.00	16.00	18.00
Case lots, dozen .....	3	3	3
Weight per case, lbs. ....	.....	.....	.....
Shipping meas. per case, cu. ft. ....	.....	.....	.....



Code .....	Gycere	Gycock	Gylander	Gylazore
Numbers .....	<b>400</b>	<b>425</b>	<b>450</b>	<b>475</b>
Inches .....	10 1/2 x 15 x 2 1/2	11 x 16 x 2 1/2	11 x 17 x 2 1/2	12 x 17 x 2 1/2
Weight per dozen, lbs. ....	.....	.....	.....	.....
Per dozen .....	\$20.00	23.00	26.00	27.50
Case lots, dozen .....	3	3	2	2
Weight per case, lbs. ....	.....	.....	.....	.....
Shipping measure per case, cubic feet .....	.....	.....	.....	.....

## MENLO JELLY CAKE PANS.

1 INCH DEEP.



Code.....	Gyllione	Gyronen
Numbers .....	<b>69</b>	<b>70</b>
Inches.....	9	10
Weight per doz, lbs.....	9	10
Per dozen .....	\$6.00	7.00
Case lots, dozen.....	6	6
Weight per case, lbs.....	65	75
Shipping measure per case, cu. ft.....	1 <sup>2</sup> / <sub>3</sub>	2

## MENLO MOUNTAIN CAKE PANS.

1<sup>1</sup>/<sub>4</sub>-INCH DEEP.



Code.....	Gyrrose	Gyrsam
Numbers .....	<b>79</b>	<b>80</b>
Inches.....	9	10
Weight per dozen, lbs.....	10	11
Per dozen .....	\$6.50	7.50
Case lots, doz.....	6	6
Weight per case, lbs.....	70	80
Shipping measure per case, cu. ft.....	1 <sup>5</sup> / <sub>7</sub>	2

## MENLO DISH PANS.

DEEP.



Code.....	Gyrsicor	Gyrsopag	Gyrssaces	Gyrssifer	Gyssinor
Quarts.....	<b>8</b>	<b>10</b>	<b>14</b>	<b>17</b>	<b>21</b>
Inches .....	14x4 <sup>3</sup> / <sub>4</sub>	14 <sup>1</sup> / <sub>2</sub> x5 <sup>1</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>4</sub> x5 <sup>1</sup> / <sub>2</sub>	17 <sup>3</sup> / <sub>4</sub> x5 <sup>3</sup> / <sub>4</sub>	19 <sup>1</sup> / <sub>2</sub> x6
Wt. per doz, lbs.	20	29	36	45	48
Per dozen ...	\$18.00	20.00	24.00	28.00	32.00
Case lots, dozen..	2	1	1	1	1
Wt. per case, lbs.	70	55	65	75	80
Shipping meas. {	4 <sup>3</sup> / <sub>4</sub>	.....	3 <sup>1</sup> / <sub>3</sub>	4 <sup>1</sup> / <sub>6</sub>	4 <sup>5</sup> / <sub>6</sub>
per case, cu. ft. }					

**MENLO LIPPED FRY PANS.**

DEEP.



Code.....	Haablir	Haalbon	Haalkane
Numbers.....	<b>80</b>	<b>81</b>	<b>82</b>
Inches.....	8x1 $\frac{3}{4}$	8 $\frac{1}{2}$ x1 $\frac{3}{4}$	9 $\frac{1}{4}$ x1 $\frac{7}{8}$
Weight per dozen, lbs.....	18	20	22
Per dozen .....	\$9.00	10.50	12.00
Case lots, dozen.....	4	4	4
Weight per case, lbs.....	85	90	90
Shipping meas. per case, cu. ft. ....	.....	.....	.....

Code.....	Haande	Haarange	Haarbant	Haarbese
Numbers .....	<b>83</b>	<b>84</b>	<b>85</b>	<b>86</b>
Inches .....	10x1 $\frac{7}{8}$	10 $\frac{1}{2}$ x2	11x2	12x2 $\frac{1}{8}$
Weight per dozen, lbs.....	24	26	28	30
Per dozen .....	\$13.50	15.00	16.50	18.00
Case lots, dozen.....	4	4	4	4
Weight per case, lbs.....	95	120	125	135
Shipping measurement per case, cubic feet .....	.....	.....	.....	.....

**MENLO MILK PANS.**

Code.....	Haarbeete	Haarbind	Haarblum	Haardrus
Quarts.....	<b>1</b>	<b>1 <math>\frac{1}{2}</math></b>	<b>2</b>	<b>3</b>
Inches.....	6 $\frac{3}{4}$ x1 $\frac{3}{4}$	7 $\frac{3}{4}$ x1 $\frac{7}{8}$	8 $\frac{1}{2}$ x2	9 $\frac{1}{4}$ x2 $\frac{1}{4}$
Weight per doz., lbs..	7	8	9	11
Per dozen .....	\$4.25	5.00	5.75	6.50
Case lots, dozen.....	6	6	6	6
Weight per case, lbs..	50	55	65	85
Ship. meas. per case, cu. ft..	1 $\frac{1}{6}$	1 $\frac{1}{3}$	1 $\frac{5}{12}$	1 $\frac{3}{4}$

Code.....	Haarfarb	Haarfases	Haargoldt	Haarkam	Haarkapp
Quarts.....	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>10</b>
Inches.....	10 $\frac{7}{8}$ x2 $\frac{1}{2}$	11 $\frac{1}{4}$ x2 $\frac{5}{8}$	12 $\frac{3}{8}$ x2 $\frac{3}{4}$	13 $\frac{1}{4}$ x3	14 $\frac{1}{2}$ x3
Weight per dozen, lbs.....	13	16	17	20	22
Per dozen.....	\$8.00	9.00	10.00	11.00	13.00
Case lots, dozen.....	6	6	6	6	6
Weight per case, lbs.....	95	103	115	135	155
Shipping measurement per case, cubic feet .....	2 $\frac{1}{6}$	2 $\frac{7}{12}$	3 $\frac{1}{6}$	.....	.....



# MENLO PUDDING PANS.

DEEP.

Code .....	Haarkron	Haarmillb	Haarmorte	Haarnade
Quarts.....	<b>1</b>	<b>1½</b>	<b>2</b>	<b>3</b>
Inches.....	7¼ x 2¾	7¾ x 3	8½ x 3	9¼ x 3¼
Weight per doz., lbs.	8	9	10	11
Per dozen .....	\$5.25	6.00	6.75	7.50
Case lots, dozen .....	6	6	6	6
Weight per case, lbs.	55	60	65	85
Ship. meas. per case, cu. ft.	1½	1½	1¾	2½



Code.....	Haarpins	Haarsohl	Haarstrane	Haarstrick	Haartwicke
Quarts.....	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>10</b>
Inches.....	10¼ x 3¼	11 x 3½	11½ x 3½	12½ x 4	13¼ x 4½
Weight per dozen, lbs.	13	16	17	20	22
Per dozen .....	\$8.25	9.50	11.00	13.00	15.00
Case lots, dozen .....	6	6	6	6	6
Weight per case, lbs.	95	105	115	135	150
Shipping measurement per case, cubic feet .....	2¼	2¾	3½	3½	3¾

# MENLO BERLIN SAUCE PANS.

ENAMELED COVERS. FLAT HANDLES.

Code .....	Haartwuch	Haarzange	Haartzirk
Numbers .....	<b>021</b>	<b>031</b>	<b>041</b>
Quarts.....	2	3	4
Inches.....	6x3	7x3¾	7½ x 4¾
Weight per dozen, lbs.	12	14	18
Per dozen.....	\$13.00	16.00	19.00
Case lots, dozen.....	2	2	2
Weight per case, lbs.	50	65	70
Ship. meas. per case, cu. ft.	4¾	6¾	8¾



Code.....	Habare	Habeant	Habemurz	Habenar	Habente
Numbers.....	<b>051</b>	<b>061</b>	<b>081</b>	<b>0101</b>	<b>0121</b>
Quarts.....	5	6	8	10	12
Inches.....	8x4¾	8½ x 5	9¼ x 5¾	10¼ x 6¾	11¼ x 6¾
Weight per dozen, lbs.	21	25	30	36	42
Per dozen .....	\$21.00	24.00	28.00	36.00	42.00
Case lots, dozen.....	1	1	1	1	1
Weight per case, lbs.	45	55	60	.....	.....
Shipping measurement per case, cubic feet.....	6¾	7½	10¾	.....	.....

# **MENLO LIPPED SAUCE PANS.**

Code.....	Habergon	Haberich	Habidero
Numbers.....	<b>10</b>	<b>12</b>	<b>14</b>
Quarts.....	$\frac{3}{4}$	1	$1\frac{1}{2}$
Inches.....	$5 \times 2\frac{1}{2}$	$5\frac{1}{2} \times 2\frac{3}{4}$	$6\frac{1}{2} \times 3\frac{1}{4}$
Weight per doz, lbs.....	$6\frac{1}{2}$	$7\frac{1}{2}$	8
Per dozen.....	\$5.00	5.50	6.50
Case lots, dozen.....	6	6	6
Weight per case, lbs.....	.....	.....	65
Shipping meas. per case, cu. ft.....	.....	.....	.....



Code.....	Habillad	Habillere	Habitante	Habitico	Habiture	Hablistar	Habones	Hacedoro
Numbers.....	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>
Quarts.....	2	$2\frac{1}{2}$	3	4	5	6	8	10
Inches.....	$7\frac{1}{4} \times 3\frac{1}{4}$	$7\frac{3}{4} \times 3\frac{1}{2}$	$8\frac{1}{2} \times 3\frac{3}{4}$	$9 \times 4$	$9\frac{3}{4} \times 4\frac{1}{8}$	$11 \times 5$	$11\frac{1}{4} \times 5\frac{1}{2}$	$12 \times 6$
Weight per doz, lbs.....	9	10	13	16	17	22	24	32
Per dozen.....	\$7.50	8.50	10.00	11.50	13.50	15.00	18.00	21.00
Case lots, dozen.....	4	4	4	3	4	2	2	1
Weight per case, lbs.....	60	65	70	65	95	60	70	45
Shipping meas. per case, cu. ft.....	.....	.....	.....	$4\frac{1}{4}$	.....	.....	$6\frac{1}{4}$	4

# **MENLO STRAIGHT SAUCE PANS.**

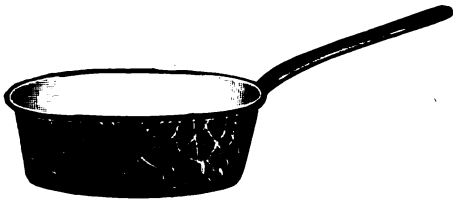
SEAMLESS. ENAMELED COVERS. FLAT HANDLES.

Code.....	Hacendamo	Hacendill
Numbers.....	<b>1501</b>	<b>2501</b>
Quarts.....	1	2
Inches.....	$5\frac{1}{8} \times 3\frac{1}{2}$	$6 \times 4$
Weight per doz, lbs.....	11	15
Per dozen.....	\$12.00	15.00
Case lots, dozen.....	2	2
Weight per case, lbs.....	35	50
Shipping measure per case, cu. ft.....	.....	.....



Code.....	Hacenduel	Hacerimo	Hachazom	Hacherit
Numbers.....	<b>3501</b>	<b>4501</b>	<b>6501</b>	<b>8501</b>
Quarts.....	3	4	6	8
Inches.....	$7 \times 4\frac{7}{8}$	$7\frac{1}{2} \times 5\frac{1}{8}$	$8\frac{1}{2} \times 6$	$9\frac{1}{4} \times 6\frac{3}{4}$
Weight per doz, lbs.....	18	22	25	28
Per dozen.....	\$18.00	21.00	28.00	34.00
Case lots, dozen.....	2	1	1	1
Weight per case, lbs.....	65	50	60	70
Shipping measure per case, cubic feet.....	.....	.....	.....	.....

## MENLO DEEP STEW PANS.



Code.....	Hachoire	Hackbanke	Hackbelt	Hackende	Hackerlin
Numbers.....	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>
Quarts.....	2	3	4	5	6
Inches.....	8 1/2 x 3	9 1/4 x 3 1/4	10 1/4 x 3 1/4	11 x 3 1/2	11 1/2 x 3 1/2
Wt. per doz., lbs.	10	11	13	16	17
Per dozen ...	\$8.00	9.00	11.00	13.00	16.00
Case lots, dozen..	3	3	3	3	3
Wt. per case, lbs.	40	45	50	60	70
Shipping meas. } per case, cu. ft. }	3 5/12	4 1/3	5 5/12	5 2/3	6

## MENLO WATER PITCHERS.

SEAMLESS.



Code .....	Hacksell	Hadadore	Hadarios	Hadenn	Hadergest
Numbers.....	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Quarts.....	1	1 1/2	2	3	4
Wt. per doz., lbs.	10	12	14	18	20
Per dozen.....	\$13.00	15.00	18.00	21.00	27.00
Case lots, dozen..	2	2	2	2	1
Wt. per case, lbs.	35	35	40	50	40
Shipping meas. } per case, cu. ft. }	.....	4 3/4	5 1/4	6 1/4	.....

## MENLO DINNER PLATES.

FLAT BOTTOM.



Code.....	Haderhoff	Hudersuch	Hadrolle
Numbers.....	<b>18</b>	<b>19</b>	<b>20</b>
Inches.....	8	9	10
Weight per doz., lbs.....	6	7	8
Per dozen .....	\$4.50	5.50	6.50
Case lots, doz.....	12	12	12
Weight per case, lbs.....	80	95	110
Shipping measure per case, cubic feet.	1 3/4	1 3/4	2

## MENLO PIE PLATES.

SHALLOW. 7/8 INCH DEEP.



Code.....	Haedlost	Haesuro	Hafenan	Hafengold
Numbers.....	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>
Inches.....	8	9	10	11
Weight per doz., lbs.	6	7	8	9
Per dozen .....	\$4.00	4.75	5.50	6.50
Case lots, doz.....	12	12	12	12
Weight per case, lbs..	78	95	110	125
Shipping measure per case, cubic feet..... }	2	2 1/2	2 1/3	2 1/2

**MENLO SOUP PLATES.**

Code.....	Hafenket	Hafenlost
Numbers .....	<b>59</b>	<b>60</b>
Inches .....	9½	10½
Weight per doz., lbs.....	7	8
Per dozen .....	\$6.75	7.50
Case lots, doz.....	12	12
Weight per case, lbs.....	95	110
Shipping measure per case, cubic feet.	2⅞	2⅓

**MENLO COFFEE POTS.**

SEAMLESS. FLAT BOTTOMS. ENAMELED COVERS.

HOLLOW ENAMELED STEEL HANDLES.

Code.....	Hafenrolle	Haferack	Haferbaum
Numbers .....	<b>2051</b>	<b>2151</b>	<b>2251</b>
Quarts.....	1	1½	2
Inches.....	4¾	5	5¾
Weight per doz., lbs.....	13	15	18
Per dozen .....	\$16.00	18.00	20.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	55	60	70
Shipping measure per case, cubic ft.	3½	4⅞	6¼
Code.....	Haferbode	Haferbro	Hafermals
Numbers .....	<b>2351</b>	<b>2451</b>	<b>2551</b>
Quarts.....	3	4	5
Inches.....	6¼	7	7¾
Weight per doz., lbs.....	20	21	23
Per dozen .....	\$22.00	24.00	27.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	75	80	85
Shipping measure per case, cubic ft.	.....	.....	.....

**MENLO TEA POTS.**

SEAMLESS. FLAT BOTTOMS. ENAMELED COVERS.

HOLLOW ENAMELED STEEL HANDLES.

Code.....	Hafertrau	Haferzin	Haftlich
Numbers .....	<b>3000</b>	<b>3010</b>	<b>3020</b>
Quarts.....	1	1½	2
Inches.....	4¾	5	5¾
Weight per doz., lbs.....	13	15	18
Per dozen .....	\$16.00	18.00	20.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	55	60	70
Shipping measure per case, cubic feet.	3½	4⅞	6¼
Code.....	Haftnert	Haftbare	Hagebuch
Numbers .....	<b>3030</b>	<b>3040</b>	<b>3050</b>
Quarts.....	3	4	5
Inches.....	6¼	7	7¾
Weight per doz., lbs.....	20	21	23
Per dozen .....	\$22.00	24.00	27.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	75	80	85
Shipping measure per case, cubic feet.	.....	.....	.....



## MENLO STRAIGHT SAUCE POTS.

SEAMLESS. WITH ENAMELED COVERS.

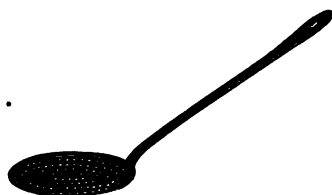


Code.....	Hagedist	Hageles
Numbers.....	<b>101</b>	<b>201</b>
Quarts.....	1	2
Inches.....	5 1/4 x 3 1/2	6 x 4
Weight per doz., lbs.....	11	15
Per dozen.....	\$12.00	15.00
Case lots, doz.....	2	2
Weight per case, lbs.....	35	50
Shipping measure per case, cubic feet.....	.....	.....

Code.....	Hagelgan	Hagelkuge	Hagewass	Hageweid	Hagride
Numbers.....	<b>301</b>	<b>401</b>	<b>601</b>	<b>801</b>	<b>1001</b>
Quarts.....	3	4	6	8	10
Inches.....	7 x 4 7/8	7 1/2 x 5 1/8	8 1/2 x 6	9 1/4 x 6 1/4	10 1/4 x 7 1/2
Weight per doz., lbs.....	18	22	25	28	.....
Per dozen.....	\$18.00	21.00	28.00	34.00	40.00
Case lots, doz.....	2	1	1	1	1
Weight per case, lbs.....	65	50	60	70	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....	.....

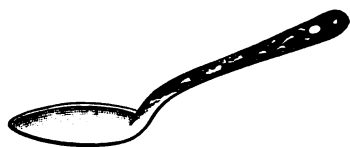
## MENLO FLAT SKIMMERS.

FLAT HANDLES.



Code.....	Hahnbuch	Haifloss	Hailstone
Numbers.....	<b>9</b>	<b>10</b>	<b>11</b>
Inches.....	4 1/4	4 1/2	4 3/4
Weight per doz., lbs.....	3	3	3
Per dozen.....	\$3.25	3.50	3.75
Case lots, doz.....	6	6	6
Weight per case, lbs.....	30	30	30
Shipping measure per case, cubic feet.....	.....	.....	.....

## MENLO BASTING SPOONS.



Code.....	Hainbrut	Hairoch	Hakbloke	Hakelot	Hakenblat
Inches.....	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>
Wt. per doz., lbs..	3	4	5	6	7
Per dozen.....	\$2.75	3.00	3.50	4.00	4.50
Case lots, doz.	12	12	12	12	12
Wt. per case, lbs..	45	60	70	80	95
Shipping measure { per case, cub. ft.. }	1	1	1	1 1/2	1 3/4

## MENLO CAKE TURNERS.

FLAT HANDLES.



Code.....	Hakenhuf	Halagabe
Numbers.....	<b>18</b>	<b>14</b>
Inches.....	3 1/2 x 3	4 1/2 x 3 1/4
Weight per doz., lbs.....	3	3
Per dozen.....	\$3.50	4.00
Case lots, doz.....	6	6
Weight per case, lbs.....	30	30
Shipping measure per case, cubic feet.....	.....	.....



## SECTION 17.

### AGATE NICKEL-STEEL WARE.

MOTTLED GRAY SURFACE.

DOUBLE COATED.



# HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES

AND NEW YORK.

## AGATE NICKEL-STEEL WARE.

The composition of this ware is indicated by its name.—

FIRST—The best quality of steel out of which the articles are formed.

SECOND—The Nickel coating put on over the Steel.

THIRD AND LASTLY—The double coat of absolutely pure hard Agate Enamel, presenting in appearance a smooth, highly polished and beautifully Mottled Gray Surface, very handsome and as easily cleaned as china.

In ordering goods from this section by telegraph it is only necessary to use the code word over the number or size of the article wanted preceded by words from the code in front of this book.

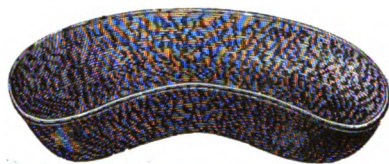
EXAMPLE:—Crogdal aciberar each heilmitt heulane and hiematur.

TRANSLATION:—Ship via cheapest route two dozen each naught six Berlin Kettles, eight flat bottom Tea Kettles and twelve plain Ladles.



### PUS BASINS.

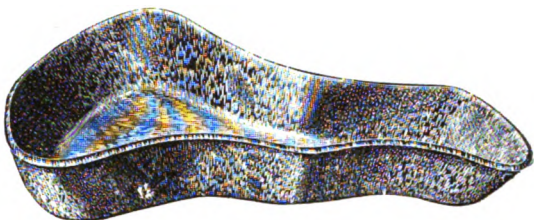
Code.....	Halamura	Halante	Halbeir
Numbers.....	1	2	3
Inches.....	9¼ x 3¾	10½ x 4¼	11 x 4¾
Per dozen.....	\$12.00	13.00	15.00



### PUS BASINS.

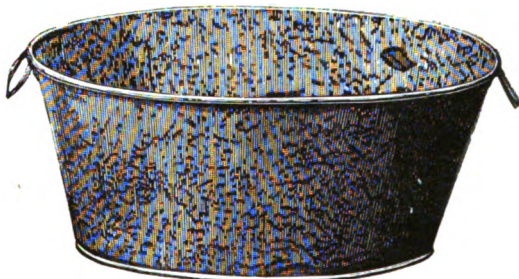
IT HAS BEEN FOUND IN PRACTICE THAT THE VARIOUS CURVES WILL FIT THE PARTS OF THE BODY MOST PERFECTLY.

Code.....	Halberd
Number.....	20
Per dozen.....	\$18.00



### OVAL FOOT BATHS.

Code.....	Halbrand
Number.....	1
Inches.....	13¾ x 17 x 7¼
Weight per doz., lbs.....	44
Per dozen.....	\$33.00
Case lots, doz.....	1
Weight per case, lbs.....	85
Shipping measurement per case, cubic feet.....	8⅝



Code.....	Halbton	Halwege
Numbers.....	2	3
Inches.....	15½ x 19¾ x 8¼	17¾ x 22¾ x 9
Weight per doz., lbs.....	46	62
Per dozen.....	\$39.00	45.00
Case lots, doz.....	1	½
Weight per case, lbs.....	130	80
Shipping measurement per case, cubic feet.....	12⅝½	8⅝

### COFFEE BIGGINS.

TIN TOPS AND COVERS.

Code.....	Halbzirk	Halcone	Hallean	Haldicate
Numbers.....	0	0½	00	010
Quarts.....	½	¾	1	1½
Wt. per doz., lbs.....	10	12	15	18
Per dozen.....	\$13.00	15.00	18.00	21.00
Case lots, doz.....	1	1	1	1
Wt. per case, lbs.....	40	50	55	57
Ship. meas. per case, cu. ft....	4½	5	5⅞	6

Code.....	Halecult	Haletante	Halfbreed	Halfslete
Numbers.....	020	030	040	050
Quarts.....	2	3	4	5
Wt. per doz., lbs.....	21	24	27	30
Per dozen.....	\$24.00	27.00	30.00	33.00
Case lots, doz.....	1	1	1	1
Wt. per case, lbs.....	60	63	65	70
Ship. meas. per case, cu. ft....	6¼	7	7⅓	7¾



**“ACME” COFFEE BIGGINS.**

TIN TOPS AND COVERS. ENAMELED WOOD HANDLES.

Code.....	Halfwit	Halfyear	Halicord
Numbers.....	<b>100</b>	<b>101 ½</b>	<b>102</b>
Quarts.....	1	1 ½	2
Weight per doz., lbs.....	14	18	21
Per dozen.....	\$22.00	25.00	28.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	55	57	60
Ship. meas. per case, cu. ft...	5 ½	6	6 ¼

Code.....	Hallebard	Halliard	Hallucino
Numbers.....	<b>103</b>	<b>104</b>	<b>105</b>
Quarts.....	3	4	5
Weight per doz., lbs.....	24	27	31
Per dozen.....	\$31.00	34.00	37.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	63	65	70
Ship. meas. per case, cu. ft...	7	7 ½	7 ¾



**FLAT-BOTTOM COFFEE  
BOILERS.**

TIN COVERS.

Code.....	Halmrub	Halsbrate	Halshar
Numbers.....	<b>50</b>	<b>55</b>	<b>60</b>
Quarts.....	2 ½	3 ½	4 ½
Weight per doz., lbs.....	20	22	25
Per dozen.....	\$20.00	23.00	26.00
Case lots, doz.....	2	2	1
Weight per case, lbs.....	.....	.....	61
Ship. meas. per case, cu. ft....	.....	.....	7

Code.....	Halskap	Halskett	Halskrage
Numbers.....	<b>70</b>	<b>80</b>	<b>90</b>
Quarts.....	6	8 ½	11 ½
Weight per doz., lbs.....	31	40	44
Per dozen.....	\$29.00	32.00	38.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	75	90	110
Ship. meas. per case, cu. ft...	8 ⅙	10 ⅝	12 ⅝



# **FLAT-BOTTOM COFFEE BOILERS.**

## ENAMELED COVERS.



Code .....	Halstage	Haltbarn	Hamaxor
Numbers .....	<b>501</b>	<b>551</b>	<b>601</b>
Quarts .....	2½	3½	4½
Weight per doz., lbs. ....	20	22	25
Per dozen .....	<b>\$22.00</b>	25.00	28.00
Case lots, doz. ....	2	2	1
Weight per case, lbs. ....	.....	.....	61
Ship. meas. per case, cu. ft. ....	.....	.....	7

Code .....	Hambriot	Hambrona	Hambruch
Numbers .....	<b>701</b>	<b>801</b>	<b>901</b>
Quarts .....	6	8½	11½
Weight per doz., lbs. ....	31	40	44
Per dozen .....	<b>\$31.00</b>	35.00	41.00
Case lots, doz. ....	1	1	1
Weight per case, lbs. ....	75	90	110
Ship. meas. per case, cu. ft. ....	8½	10½	12½

# **COVERED FISH BOILERS.**

## SIDE HANDLES. ENAMELED COVERS AND DRAINERS.



Code .....	Hamecone	Hampers	Hampond	Hamshack	Handarbe
Numbers .....	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>
Inches .....	16	18	20	22	24
Weight per doz., lbs. ....	57	69	94	116	138
Per dozen .....	<b>\$60.00</b>	66.00	72.00	84.00	96.00
Case lots, doz. ....	½	½	½	½	½
Weight per case, lbs. ....	50	65	90	115	145
Shipping measure per case, cubic feet .....	3½	5¾	7¾	9¼	11¼

**MILK OR RICE BOILERS.****TIN COVERS.**

Code.....	Handbum	Handeim	Handfeil
Numbers.....	<b>14</b>	<b>16</b>	<b>18</b>
Inside boiler, quarts.....	1	1½	1¾
Weight per doz., lbs.....	22	25	27
Per dozen.....	\$20.00	24.00	27.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	50	55	65
Shipping measure per case, cubic feet..	3½ <sub>12</sub>	4½	6½

Code.....	Handfrie l	Handgelt
Numbers.....	<b>20</b>	<b>22</b>
Inside boiler, quarts.....	2	2½
Weight per doz., lbs.....	31	37
Per dozen.....	\$30.00	36.00
Case lots, doz.....	1	1
Weight per case, lbs.....	90	95
Shipping measure per case, cubic feet.....	8½	10½ <sub>12</sub>



Code .....	Handglock	Handhebe	Handkort	Handkube
Numbers.....	<b>24</b>	<b>26</b>	<b>28</b>	<b>36</b>
Inside boiler, quarts.....	3	4	5	8
Weight per doz., lbs.....	41	51	62	72
Per dozen.....	\$42.00	48.00	54.00	72.00
Case lots, doz.....	1	1	½	¼
Weight per case, lbs.....	105	120	90	65
Shipping measurement per case, cubic feet.....	11	13	8½	6½ <sub>12</sub>

**MILK OR RICE BOILERS.****ENAMELED COVERS.**

Code.....	Handlele	Handmaid	Handmore
Numbers.....	<b>141</b>	<b>161</b>	<b>181</b>
Inside boiler, quarts.....	1	1½	1¾
Weight per doz., lbs.....	22	25	27
Per dozen.....	\$22.00	26.00	30.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	50	55	65
Shipping measure per case, cu. ft..	3½ <sub>12</sub>	4½	6½

Code.....	Handoch	Handparl
Numbers.....	<b>201</b>	<b>221</b>
Inside boiler, quarts.....	2	2½
Weight per doz., lbs.....	31	37
Per dozen.....	\$33.00	39.00
Case lots, doz.....	1	1
Weight per case, lbs.....	90	95
Shipping measure per case, cubic feet.....	8½	10½ <sub>12</sub>



Code .....	Handpress	Handpump	Handroll	Handsail
Numbers.....	<b>241</b>	<b>261</b>	<b>281</b>	<b>361</b>
Inside boiler, quarts.....	3	4	5	8
Weight per doz., lbs.....	41	51	62	72
Per dozen.....	\$46.00	52.00	58.00	76.00
Case lots, doz.....	1	1	½	¼
Weight per case, lbs.....	105	120	90	65
Shipping measurement per case, cubic feet.....	11	13	8½	6½ <sub>12</sub>

## SEAMLESS MILK OR RICE BOILERS.

TIN COVERS. FIT BOTH VESSELS.

Code.....	Handwaff	Handwind	Handzag	Hanepote
Numbers.....	<b>52</b>	<b>53</b>	<b>54</b>	<b>56</b>
Inside boilers, qts..	1	2	3	4
Wt. per doz., lbs..	24	33	43	46
Per dozen.....	\$22.00	28.00	36.00	45.00
Case lots, doz.....	1	1	1	1
Wt. per case, lbs..	60	70	85	120
Shipping measure per / case, cubic feet... }	5	6 $\frac{1}{6}$	7 $\frac{3}{4}$	10 $\frac{5}{8}$



## SEAMLESS MILK OR RICE BOILERS.

ENAMELED COVERS. FIT BOTH VESSELS.

Code.....	Hanfact	Hanfasch	Hangbend	Hangbulk
Numbers.....	<b>521</b>	<b>531</b>	<b>541</b>	<b>561</b>
Inside boiler, qts..	1	2	3	4
Wt. per doz., lbs..	24	33	43	46
Per dozen.....	\$24.00	31.00	40.00	49.00
Case lots, doz.....	1	1	1	1
Wt. per case, lbs..	60	70	85	120
Shipping measure per / case, cubic feet... }	5	6 $\frac{1}{6}$	7 $\frac{3}{4}$	10 $\frac{5}{8}$



## COVERED SEAMLESS CEREAL AND FRUIT COOKERS.

ENAMELED COVERS. FIT BOTH VESSELS. FOR MILK, OATMEAL, WHEATEN GRITS, CUSTARDS, FRUITS, ETC.

Code.....	Hannetin	Hanswurt	Harapod	Harbaris
Numbers.....	<b>906</b>	<b>907</b>	<b>908</b>	<b>909</b>
Inside vessel, qts..	4	7	11	15
Inches.....	8x10	9 $\frac{1}{4}$ x10 $\frac{1}{2}$	10 $\frac{1}{2}$ x10 $\frac{1}{2}$	12x12
Wt. per doz., lbs..	48	72	85	98
Per dozen.....	\$48.00	61.00	73.00	90.00
Case lots, doz.....	1	1	1	1
Wt. per case, lbs..	.....	.....	.....	.....
Shipping measure per / case, cubic feet... }	.....	.....	.....	.....



**SOUP BOWLS.**

Code.....	Harchen
Number.....	<b>125</b>
Quart.....	1
Inches.....	5 $\frac{3}{4}$ x 2 $\frac{3}{4}$
Weight per doz., lbs.....	5
Per dozen.....	<b>\$6.00</b>
Case lots, doz.....	6
Weight per case, lbs.....	50
Shipping measure per case, cubic feet.....	1 $\frac{1}{3}$

**SOUP BOWLS.**

Code.....	Hardbond
Number.....	<b>105</b>
Quart.....	1
Inches.....	5 $\frac{3}{4}$ x 2 $\frac{5}{8}$
Weight per doz., lbs.....	5
Per dozen.....	<b>\$6.00</b>
Case lots, doz.....	6
Weight per case, lbs.....	50
Shipping measure per case, cubic feet.....	1 $\frac{1}{3}$

**SUGAR BOWLS.****ENAMELED COVERS.**

Code.....	Hardearn	Hardlist
Numbers.....	<b>401</b>	<b>402</b>
Quarts.....	1	2
Inches.....	4 $\frac{3}{4}$ x 4	6 x 4 $\frac{1}{2}$
Weight per doz., lbs.....	7 $\frac{1}{2}$	10 $\frac{1}{2}$
Per dozen.....	<b>\$16.00</b>	18.00
Case lots, doz.....	3	3
Weight per case, lbs.....	40	65
Shipping measure per case, cubic feet.....	3 $\frac{5}{8}$	7 $\frac{5}{8}$

**WASH BOWLS.****WITH RINGS.**

Code.....	Harthand	Haridell	Haringbus	Hariorol
Numbers.....	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>
Inches.....	9 $\frac{3}{4}$ x 2 $\frac{1}{2}$	10 $\frac{3}{8}$ x 2 $\frac{3}{4}$	11 $\frac{3}{8}$ x 2 $\frac{7}{8}$	12 $\frac{1}{4}$ x 3 $\frac{1}{8}$
Wt. per doz., lbs.....	9	10	11	14
Per dozen.....	<b>\$6.00</b>	7.00	8.00	9.00
Case lots, doz.....	12	12	6	6
Wt. per case, lbs.....	.....	.....	87	90
Shipping measure per / case, cubic feet.....	.....	.....	2 $\frac{1}{3}$	2 $\frac{5}{8}$



Code.....	Harmoni	Harnach	Harnerito
Numbers.....	<b>82</b>	<b>84</b>	<b>86</b>
Inches.....	13 x 3 $\frac{3}{8}$	14 x 3 $\frac{3}{8}$	15 x 3 $\frac{1}{2}$
Weight per doz., lbs.....	15	17	19
Per dozen.....	<b>\$11.00</b>	13.00	15.00
Case lots, doz.....	6	6	6
Weight per case, lbs.....	100	112	118
Shipping measure per case, cubic feet.....	2 $\frac{5}{8}$	3 $\frac{1}{4}$	4

## STRAIGHT SEAMED COVERED BUCKETS.

### TIN COVERS.



Code.....	Harnoist	Harpull	Harpist	Harpunir	Harrier
Quarts.....	<b>1</b>	<b>1½</b>	<b>2</b>	<b>3</b>	<b>4</b>
Weight per doz., lbs.	6	8	10	14	17
Per dozen .....	\$8.00	9.00	10.00	12.00	15.00
Case lots, doz....	3	3	3	3	2
Weight per case, lbs.	.....	.....	75	83	90
Shipping measure per } case, cubic feet..... }	.....	.....	8½	9¼	8²³

Code.....	Hartaban	Hartloose	Hartende	Hartmaul
Quarts.....	<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>
Wt. per doz., lbs....	27	31	34	40
Per dozen .....	\$18.00	22.00	27.00	33.00
Case lots, doz.....	2	1	1	1
Wt. per case, lbs....	92	70	90	95
Shipping measure per } case, cubic feet..... }	12	8	12½	14

6, 8, 10 and 12-quart have Wood Handles on Bails.

## STRAIGHT SEAMLESS COVERED BUCKETS.

### TIN COVERS.



Code.....	Hartnaga	Harttrind	Hartworm	Hartzich
Numbers .....	<b>100</b>	<b>200</b>	<b>300</b>	<b>400</b>
Quarts.....	1	2	3	4
Inches.....	4¾ x 3½	5½ x 4¾	6¼ x 5¼	7 x 6
Wt. per doz., lbs....	6	10	14	17
Per dozen .....	\$10.00	12.00	15.00	18.00
Case lots, doz.....	3	3	3	2
Wt. per case, lbs....	.....	75	83	90
Shipping measure per } case, cubic feet..... }	.....	8½	9¼	8²³

Code.....	Hartzkohl	Hasardire	Haselmas
Numbers .....	<b>600</b>	<b>800</b>	<b>1000</b>
Quarts.....	6	8	10
Inches.....	8¼ x 6¾	8¾ x 7½	9½ x 8¾
Weight per doz., lbs....	27	31	34
Per dozen .....	\$24.00	30.00	36.00
Case lots, doz.....	2	1	1
Weight per case, lbs....	92	70	90
Shipping measure per } case, cubic feet..... }	12	8	12½

Nos. 600, 800 and 1000 have Wood Handles on Bails.

**SLOP BUCKETS.****TIN COVERS.**

Code.....	Haselrat
Number .....	<b>18</b>
Gallons.....	3
Inches.....	10¼ x 10½
Weight per doz., lbs.....	44
Per dozen .....	<b>\$42.00</b>
Case lots, doz.....	½
Weight per case, lbs.....	80
Shipping measure per case, cubic feet.....	8

**CANDLESTICKS.**

Code.....	Haselruth
Number .....	<b>55</b>
Diameter, inches.....	5½
Weight per doz., lbs.....	3
Per dozen.....	<b>\$6.00</b>
Case lots, doz.....	6
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

**CHAMBER CANDLESTICKS.**

Code.....	Haselwurt
Number .....	<b>25</b>
Diameter, inches.....	4
Weight per doz., lbs.....	2¼
Per dozen .....	<b>\$6.00</b>
Case lots, doz.....	6
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

**CHAMBERS.**

Code.....	Hasenbal	Hasenbard	Hasenfuss	Hasengrat
Numbers .....	<b>1</b>	<b>1½</b>	<b>2</b>	<b>3</b>
Inches.....	7x4½	8½x47⁄8	9¼x5½	11½x5¾
Wt. per doz., lbs...	10	15	17	19
Per dozen .....	<b>\$12.00</b>	15.00	18.00	18.00
Case lots, doz.....	3	3	3	3
Wt. per case, lbs...	69	89	110	115
Shipping measure per / case, cubic feet.....	8	10	12½	12¾

No. 3 is Flaring Shape.

**CHAMBER COVERS.**

Code.....	Hasenjag	Hasenkop	Hasenwoll	Haspele
Numbers .....	<b>01</b>	<b>01½</b>	<b>02</b>	<b>03</b>
Wt. per doz., lbs...	4	8	8½	9
Per dozen .....	<b>\$5.00</b>	6.00	7.00	8.00
Case lots, doz.....	3	3	3	3
Wt. per case, lbs...	.....	.....	.....	.....
Shipping measure per / case, cubic feet.....	.....	.....	.....	.....





# IMPROVED FAMILY COLANDERS.

FEET FAST.



Code.....	Hastabce	Hatbox	Hatchetin	Hateador
Numbers.....	<b>1104</b>	<b>1205</b>	<b>1806</b>	<b>1407</b>
Inches.....	9x3½	10x4	10¾x4¾	12x5½
Wt. per doz., lbs...	9	10½	12¾	16¾
Per dozen.....	<b>\$10.00</b>	12.00	15.00	18.00
Case lots, doz.....	3	3	3	3
Wt. per case, lbs...	.....	.....	130	.....
Shipping measure per case, cubic feet.....	.....	.....	12	.....

# BABY FOOD CUPS.

TIN COVERS.



Code.....	Hateamo
Number.....	<b>81</b>
Pints.....	1½
Inches.....	4¾x3¾
Weight per doz., lbs.....	7
Per dozen.....	<b>\$9.00</b>
Case lots, doz.....	3
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

# DRINKING CUPS.



Code.....	Hatschel	Haubark	Haubente	Haubitz	Haudege
Numbers.....	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
Inches.....	3½x2¼	4x2½	4¼x2¾	4½x3	4¾x3¼
Wt. per doz., lbs...	1½	1¾	3	3¼	3½
Per dozen.....	<b>\$3.50</b>	3.75	4.00	4.50	5.00
Case lots, doz.	12	12	12	12	12
Wt. per case, lbs...	30	40	50	60	70
Ship. measurement per case, cu. ft. }	1½	2	2½	3½	3½

# STRAIGHT DRINKING CUPS.



Code.....	Haughty	Haukling	Haunch	Hauptade	Hauptank
Numbers.....	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
Inches.....	3½x2¼	3¾x2½	4¼x2¾	4½x2¾	5¼x2¾
Wt. per doz., lbs...	2¾	3	3½	3¾	4
Per dozen.....	<b>\$3.50</b>	3.75	4.00	4.50	5.00
Case lots, doz.	12	12	12	12	12
Wt. per case, lbs...	43	45	50	55	65
Ship. measurement per case, cu. ft. }	1½	2	2½	2¾	3

MINERS' CUPS.

Code .....	Hauptbam
Number.....	100
Quarts.....	1
Inches.....	5 1/8 x 4 1/4
Weight per dozen, lbs.....	8
Per dozen.....	\$9.00
Case lots, dozen.....	6
Weight per case, lbs.....	.....
Shipping measurement per case, cubic feet.....	.....



MEASURING CUPS.

Code .....	Hauptbund	Haupterb
Numbers.....	103	104
Marked to measure, cups.....	1 1/3	1 1/4
Weight per dozen, lbs.....	2 1/2	3
Per dozen.....	\$5.00	5.00
Case lots, dozen.....	12	12
Weight per case, lbs.....	.....	.....
Shipping measurement per case, cu. ft. ....	.....	.....



SEAMLESS STRAIGHT CUPS.

Code .....	Hauptfunk
Number .....	0
Inches.....	3 1/4 x 2
Weight per dozen, lbs.....	3
Per dozen.....	\$4.00
Case lots, dozen.....	12
Weight per case, lbs.....	72
Shipping measurement per case, cubic feet.....	4



MUSTARD CUPS.

ENAMELED COVERS.

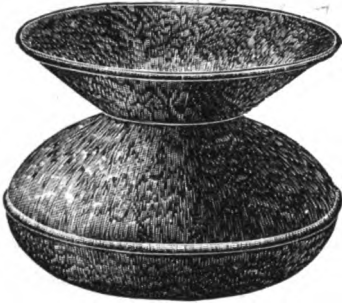
Code .....	Hauptmark
Number .....	1
Gill.....	1
Weight per dozen, lbs.....	4 1/2
Per dozen.....	\$9.00
Case lots, dozen.....	12
Weight per case, lbs.....	70
Shipping measurement per case, cubic feet.....	4 2/3



CUSPIDORS.

Code .....	Hauptseit	Hauptwege
Numbers.....	4	5
Inches.....	7 3/4 x 4 1/2	8 x 5 1/2
Weight per dozen, lbs.....	14	16
Per dozen.....	\$14.00	16.00
Case lots, dozen.....	3	3
Weight per case, lbs .....	.....	.....
Shipping measurement per case, cu. ft. ....	.....	.....





## CUSPIDORS.

Code .....	Hauptwund
Number.....	6
Inches.....	8x5 1/2
Weight per dozen, lbs.....	16
Per dozen.....	\$18.00
Case lots, dozen.....	3
Weight per case, lbs.....	.....
Shipping measurement per case, cubic feet.....	.....



## FLARING DIPPERS.

### FLAT HANDLES.

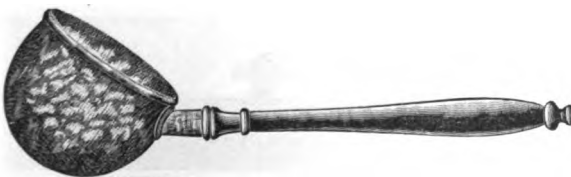
Code .....	Haurimo	Hansarm	Hausback	Hausblat
Numbers.....	110	111	112	118
Inches .....	4 1/4 x2	4 1/2 x2 1/4	5 x2 1/4	5 1/4 x2 1/4
Weight per dozen, lbs.	5	6	6 1/2	7
Per dozen.....	\$5.00	5.50	6.00	7.00
Case lots, dozen.....	6	6	6	6
Weight per case, lbs...	.....	.....	.....	.....
Shipping meas. per case, cu. ft.	.....	.....	.....	.....



## "WINDSOR" DIPPERS.

### ROUND HANDLES.

Code.....	Hausglock	Hauskatz
Numbers .....	412	414
Quarts.....	1	2
Inches.....	5 1/2 x3	6 1/2 x3 1/4
Weight per dozen, lbs.....	10	13
Per dozen .....	\$8.00	10.00
Case lots, dozen.....	12	12
Weight per case, lbs.....	140	181
Shipping measurement per case, cu. ft.	.....	.....



## COCOA-SHAPED DIPPERS.

### BLACK ENAMELED WOOD HANDLES.

Code.....	Hauskron
Number.....	55
Pint .....	1
Weight per dozen, lbs.....	5 1/2
Per dozen .....	\$10.00
Case lots, dozen.....	1
Weight per case, lbs.....	.....
Shipping measurement per case, cubic feet.....	.....

SAWTELLE CHAFING DISH OUTFIT.



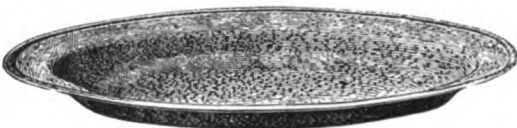
Code .....	Hausmark
Weight per outfit, lbs.....	6¼
Per outfit.....	\$10.00

One in a wooden box.

Box contains Chafing Dish, Oval Tray, Soup Bowl, Strainer, Soup Plate, Measuring Cup and Sawtelle Guide Book.

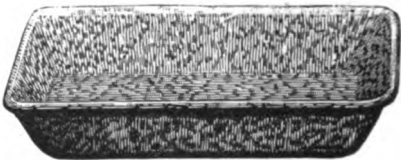
OVAL MEAT DISHES.

Code .....	Hautboy	Hautfin	Hauzohn	Havelos
Inches.....	12	14	16	18
Weight per doz., lbs...	11½	16	18	26
Per dozen.....	\$12.00	15.00	18.00	21.00
Case lots, doz.....	4	4	4	3
Weight per case, lbs...	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	{	.....	.....	.....



OBLONG BAKE DISHES.

Code.....	Havenda	Havenret
Numbers.....	801	802
Inches.....	9¼ x 6¼ x 1¼	10½ x 8 x 2
Weight per doz., lbs.....	6½	8¼
Per dozen.....	\$10.00	12.00
Case lots, doz.....	12	12
Weight per case, lbs.....	.....	.....
Shipping measure per case, cu. ft.	.....	.....



COVERED OBLONG VEGETABLE OR BAKE DISHES.

ENAMELED COVERS.

Code.....	Hawker	Hawkhead	Hawfers	Hazane
Numbers.....	210	211	212	213
Inches.....	10¼ x 7½	11¼ x 8	12¼ x 8½	13 x 9¾
Wt. per doz., lbs...	11	12½	16½	19½
Per dozen.....	\$24.00	27.00	30.00	33.00
Case lots, doz.....	2	2	2	2
Wt. per case, lbs...	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	{	.....	.....	.....



## **OVAL VEGETABLE DISHES.**

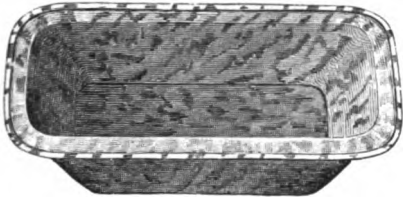
### **ENAMELED COVERS.**

Code.....	Hazmere	Headman	Headrop
Numbers.....	<b>110</b>	<b>113</b>	<b>115</b>
Inches.....	10	13	15
Weight per doz., lbs.....	15	21	35½
Per dozen.....	\$33.00	39.00	45.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic ft.	.....	.....	.....



## **OBLONG PUDDING DISHES.**

Code.....	Headstone	Healers	Heathen
Numbers.....	<b>10</b>	<b>11</b>	<b>12</b>
Inches.....	10¼ x 7½	11½ x 8	12¼ x 8½
Weight per doz., lbs.....	6	9¼	11
Per dozen.....	\$9.00	10.00	11.00
Case lots, doz.....	12	12	12
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic ft.	.....	.....	.....



## **OBLONG SOAP DISHES.**

Code.....	Hebacht
Number.....	<b>50</b>
Inches.....	4x6x1¾
Weight per doz., lbs.....	3
Per dozen.....	\$7.00
Case lots, doz.....	12
Weight per case, lbs.....	.....
Shipping measurement per case, cubic feet...	2¼



## **WALL SOAP DISHES.**

### **WITH GRATES.**

Code.....	Hebekrat
Number.....	<b>60</b>
Inches.....	6½ x 4 x 1½
Weight per doz., lbs.....	4¼
Per dozen.....	\$6.00
Case lots, doz.....	12
Weight per case, lbs.....	.....
Shipping measurement per case, cubic feet...	3



## **HANGING SOAP DISHES.**

Code.....	Heberger
Number.....	<b>65</b>
Inches.....	4½ x 4 x 2¼
Weight per doz., lbs.....	5½
Per dozen.....	\$7.00
Case lots, doz.....	6
Weight per case, lbs.....	.....
Shipping measurement per case, cubic feet...	.....



**SEAMLESS FRUIT FUNNELS.**

Code.....	Hebezug
Number.....	<b>208</b>
Inches.....	5x4 1/4
Weight per doz., lbs.....	6 3/4
Per dozen.....	\$8.00
Case lots, doz.....	6
Weight per case, lbs.....	.....
Shipping measurement per case, cubic feet.....	.....

**SEAMLESS FUNNELS.**

Code.....	Hebillita	Hebrita	Hechtan	Heckdrus	Hederige
Numbers.....	<b>102</b>	<b>103</b>	<b>104</b>	<b>105</b>	<b>106</b>
Capacity.....	1/2 pt.	1 pt.	1 qt.	2 qt.	4 qt.
Wt. per doz., lbs.	2 1/4	4 1/2	6 1/4	8	10
Per dozen...	\$9.00	10.00	11.00	13.00	15.00
Case lots, doz...	12	12	6	6	6
Wt. per case, lbs.	.....	.....	.....	.....	.....
Ship. meas. per case, cu. ft. (	.....	.....	.....	.....	.....

**FUNNELS.**

Code.....	Hedgenot	Hedionda	Hedrastes
Numbers.....	<b>01</b>	<b>02</b>	<b>08</b>
Capacity.....	1 gill	1/2 pt.	1 pt.
Weight per doz., lbs.....	2	2 1/2	3
Per dozen.....	\$6.00	7.00	8.00
Case lots, doz.....	12	12	12
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft..	.....	.....	.....



Code.....	Heelsort	Heeltap	Heerban
Numbers.....	<b>04</b>	<b>05</b>	<b>06</b>
Capacity.....	1 qt.	2 qt.	4 qt.
Weight per doz., lbs.....	9	9 1/2	14
Per dozen.....	\$9.00	12.00	15.00
Case lots, doz.....	6	6	6
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft..	.....	.....	.....

**CRULLER OR POTATO FRIERS.**

Code.....	Heerhauf	Heerwage
Numbers.....	<b>28</b>	<b>32</b>
Outside vessel, quarts.....	8	12
Inches.....	11 1/2 x 5 1/2	13 x 5 3/4
Weight per doz., lbs.....	45	53 1/2
Per dozen.....	\$60.00	72.00
Case lots, doz.....	1/2	1/2
Weight per case, lbs.....	.....	.....
Shipping measurement per case, cu. ft.	.....	.....





## SEAMLESS HOTEL JARS.

WITH BAILS.

Code.....	Heftlad
Number.....	<b>408</b>
Gallons.....	3
Inches.....	11 ½ x 11 ½
Weight per dozen, lbs.....	53
Per dozen.....	<b>\$54.00</b>
Case lots, doz.....	½
Weight per case, lbs.....	63
Shipping measurement per case, cubic feet.....	8



## IMPROVED SLOP JARS.

WITH VALVES, BAILS AND SEAMLESS FEET.

Code.....	Hefumach
Number.....	<b>209</b>
Gallons.....	4
Inches.....	12 ½ x 11 ¾
Weight per doz., lbs.....	.....
Per dozen.....	<b>\$54.00</b>
Case lots, doz.....	½
Weight per case, lbs.....	.....
Shipping measurement per case, cubic feet.....	.....



## COVERED SEAMLESS BERLIN KETTLES.

### TIN COVERS.

Code.....	Heibonder	Heiderost	Heilkund	Heilmitt	Heiltran
Numbers.....	<b>02</b>	<b>08</b>	<b>04</b>	<b>06</b>	<b>08</b>
Quarts.....	13 $\frac{3}{4}$	2 $\frac{1}{2}$	3 $\frac{3}{4}$	6	8
Inches.....	6x3 $\frac{3}{8}$	7x4	8x4 $\frac{1}{2}$	9x5 $\frac{1}{2}$	10x6 $\frac{1}{4}$
Wt. per doz., lbs....	11	14	17	20	27
Per dozen.....	\$10.00	13.00	16.00	20.00	24.00
Case lots, doz..	3	3	3	2	2
Wt. per case, lbs....	.....	.....	135	110	145
Shipping meas. per { case, cubic feet... }	.....	.....	12 $\frac{5}{12}$	11 $\frac{1}{12}$	15 $\frac{1}{4}$



## COVERED SEAMLESS BERLIN KETTLES.

### ENAMELED COVERS.

Code.....	Heimfahr	Heimlauf	Heimreis	Heimtuck	Heimwort
Numbers.....	<b>021</b>	<b>081</b>	<b>041</b>	<b>061</b>	<b>081</b>
Quarts.....	13 $\frac{3}{4}$	2 $\frac{1}{2}$	3 $\frac{3}{4}$	6	8
Inches.....	6x3 $\frac{3}{8}$	7x4	8x4 $\frac{1}{2}$	9x5 $\frac{1}{2}$	10x6 $\frac{1}{4}$
Wt. per doz., lbs.	11	14	17	20	27
Per dozen.....	\$13.00	16.00	19.00	24.00	28.00
Case lots, doz..	3	3	3	2	2
Wt. per case, lbs....	.....	.....	135	110	145
Shipping meas. per { case, cubic feet. }	.....	.....	12 $\frac{5}{12}$	11 $\frac{1}{3}$	15 $\frac{1}{4}$



## COVERED SEAMLESS CON- VEX COOKING POTS OR KETTLES.

### TIN COVERS.

Code.....	Heimwolle	Heirvart	Heiserket	Heitzorte
Numbers.....	<b>202</b>	<b>208</b>	<b>204</b>	<b>206</b>
Quarts.....	2	3	4	6
Inches.....	6x4 $\frac{1}{2}$	7x5	8 $\frac{1}{2}$ x5 $\frac{1}{4}$	9 $\frac{1}{4}$ x6 $\frac{3}{4}$
Wt. per doz., lbs....	14	20	22	28
Per dozen.....	\$13.00	17.00	21.00	25.00
Case lots, doz.....	3	3	3	2
Wt. per case, lbs....	.....	.....	125	105
Ship. meas. per case, cu. ft.	.....	.....	12 $\frac{2}{3}$	10



Code.....	Heksenl	Hekshuit	H. lamien	Heldenba
Numbers.....	<b>208</b>	<b>212</b>	<b>214</b>	<b>218</b>
Quarts.....	8	12	16	20
Inches.....	10 $\frac{1}{4}$ x7 $\frac{1}{4}$	11 $\frac{1}{4}$ x8	12 $\frac{1}{4}$ x8 $\frac{3}{4}$	13 $\frac{1}{2}$ x9 $\frac{1}{2}$
Weight per doz., lbs.....	33	45	60	70
Per dozen.....	\$30.00	42.00	48.00	57.00
Case lots, doz.....	2	1	1	$\frac{1}{2}$
Weight per case, lbs.....	135	105	145	100
Shipping measurement per case, cubic feet.....	11 $\frac{1}{2}$	13 $\frac{2}{3}$	14 $\frac{1}{4}$	11





## COVERED SEAMLESS CONVEX COOKING POTS OR KETTLES.

### ENAMELED COVERS.

Code.....	Helechale	Helicite	Hellanodi	Helldunk
Numbers.....	<b>2021</b>	<b>2031</b>	<b>2041</b>	<b>2061</b>
Quarts.....	2	3	4	6
Inches.....	6x4½	7x5	8½x5¼	9¼x6¾
Wt. per doz., lbs.....	14	20	22	28
Per dozen.....	\$16.00	20.00	24.00	29.00
Case lots, doz.....	3	3	3	2
Wt. per case, lbs.....	.....	.....	125	105
Ship. meas. per case, cu. ft.....	.....	.....	12¾	10

Code.....	Hellgrut	Hellrath	Hellbind	Hellmth
Numbers.....	<b>2081</b>	<b>2121</b>	<b>2141</b>	<b>2181</b>
Quarts.....	8	12	16	20
Inches.....	10¼x7¼	11¼x8	12¼x8¾	13½x9½
Weight per doz., lbs.....	33	45	60	70
Per dozen.....	\$34.00	48.00	54.00	63.00
Case lots, doz.....	2	1	1	½
Weight per case, lbs.....	135	105	145	100
Shipping measurement per case, cubic feet.....	11½	13¾	14¾	11



## COVERED SEAMLESS "CLIMAX" COOK POTS OR KETTLES.

### TIN COVERS. PATENT BOTTOMS.

Code.....	Helmkapp	Helmplan	Helmstruk	Helmtaub	Helpers
Numbers.....	<b>902</b>	<b>903</b>	<b>904</b>	<b>906</b>	<b>908</b>
Quarts.....	1	2	3	5	7
Inches.....	5¼x3¾	6¾x4	8x4½	9x5	9½x6
Wt. per doz., lbs.....	18	20	30	33	44
Per dozen.....	\$15.00	18.00	21.00	24.00	27.00
Case lots, doz.....	6	3	3	2	2
Wt. per case, lbs.....	.....	.....	.....	.....	.....
Shipping measurement per case, cu. ft.....	.....	.....	.....	.....	.....



## COVERED SEAMLESS "CLIMAX" COOK POTS OR KETTLES.

### ENAMELED COVERS. PATENT BOTTOMS.

Code.....	Hematosi	Hembric	Hembruna	Hemdroke	Hemencias
Numbers.....	<b>9021</b>	<b>9031</b>	<b>9041</b>	<b>9061</b>	<b>9081</b>
Quarts.....	1	2	3	5	7
Inches.....	5¼x3¾	6¾x4	8x4½	9x5	9½x6
Wt. per doz., lbs.....	18	20	30	33	44
Per dozen.....	\$17.00	21.00	24.00	27.00	30.00
Case lots, dozen.....	6	3	3	2	2
Wt. per case, lbs.....	.....	.....	.....	.....	.....
Shipping meas. per case, cu. ft.....	.....	.....	.....	.....	.....

**COVERED SEAMLESS**  
**“ROYAL” COOK POTS OR**  
**KETTLES.**

TIN COVERS.

Code .....	Hemetoni	Hemiplegi	Hemiton	Hemitrope
Numbers.....	<b>401</b>	<b>402</b>	<b>403</b>	<b>404</b>
Quarts .....	1	1½	2	2½
Inches.....	5¼ x 2¾	5¾ x 3½	6¼ x 3½	7 x 3¾
Weight per doz., lbs.	6¾	8½	10	11
Per dozen.....	\$8.00	9.00	10.00	11.00
Case lots, dozen.....	6	6	6	3
Weight per case, lbs.	.....	.....	.....	.....
Ship. meas. per case, cu. ft.	.....	.....	.....	.....



**COVERED “WINDSOR”**  
**KETTLES.**

TIN COVERS.

Code .....	Henband	Henchiri	Hendedoro
Numbers.....	<b>416</b>	<b>418</b>	<b>420</b>
Quarts .....	2	2½	3½
Inches.....	7½ x 3½	8 x 4	9 x 4
Weight per doz., lbs.....	15	18	20
Per dozen.....	\$11.00	13.00	15.00
Case lots, dozen.....	3	3	2
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft.	.....	.....	6



Code.....	Hendrike	Henkelkor	Henkelvat	Henkermal	Henpenne
Numbers.....	<b>422</b>	<b>424</b>	<b>426</b>	<b>428</b>	<b>430</b>
Quarts .....	4½	5½	6½	8	10
Inches.....	9½ x 4	10 x 4¾	10¾ x 5	11½ x 5¼	12 x 5¼
Weight per doz., lbs.....	25	29	31	40	47
Per dozen.....	\$17.00	19.00	22.00	25.00	30.00
Case lots, dozen.....	2	2	1	1	1
Weight per case, lbs.....	.....	.....	.....	.....	.....
Shipping measurement per case, cubic feet.....	6½	7	4	4½	4¾



## COVERED "WINDSOR" KETTLES.

### ENAMELED COVERS.

Code .....	Hepatize	Heraldo	Herbaces
Numbers .....	<b>4161</b>	<b>4181</b>	<b>4201</b>
Quarts .....	2	2½	3½
Inches .....	7½x3½	8x4	9x4
Weight per dozen, lbs.....	15	18	20
Per dozen.....	\$14.00	16.00	18.00
Case lots, dozen.....	3	3	2
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft...	.....	.....	6

Code.....	Herbazale	Herbecimo	Herbifere	Herbitte	Herbulast
Numbers .....	<b>4221</b>	<b>4241</b>	<b>4261</b>	<b>4281</b>	<b>4301</b>
Quarts .....	4½	5½	6½	8	10
Inches .....	9½x4	10x4¾	10¾x5	11½x5¼	12x5¼
Weight per dozen, lbs.....	25	29	31	40	47
Per dozen.....	\$20.00	22.00	26.00	29.00	36.00
Case lots, dozen.....	2	2	1	1	1
Weight per case, lbs.....	.....	.....	.....	.....	.....
Shipping measurement per case, cubic feet .....	6½	7	4	4½	4¾



## LIPPED STEWING OR PRE- SERVING KETTLES.

Code .....	Herdgrom	Herdorte	Herdvoge	Herelase
Numbers .....	<b>160</b>	<b>180</b>	<b>200</b>	<b>220</b>
Quarts .....	2	2½	3	4
Inches .....	7x3½	7¾x3½	8¼x3¾	9½x4
Weight per dozen, lbs.....	9	10	11	14
Per dozen.....	\$7.50	8.50	10.00	11.50
Case lots, dozen.....	6	6	6	6
Weight per case, lbs.....	.....	.....	.....	.....
Ship. meas. per case, cu. ft.....	.....	.....	.....	.....

Code.....	Herfalle	Herfurt	Hergange	Herhalen	Herifugam	Heritore	Herkezen	Herlaufe	Herleid
Numbers .....	<b>240</b>	<b>260</b>	<b>280</b>	<b>300</b>	<b>320</b>	<b>360</b>	<b>400</b>	<b>500</b>	<b>600</b>
Quarts .....	5	6	8	10	12	14	18	30	56
Inches .....	9¾x4¼	10¾x5	11¼x5½	12x5½	13x5¾	14x6¾	14¾x7½	17½x8¾	21½x11
Weight per dozen, lbs.....	20	22	28	30	42	47	53	82	106¼
Per dozen .....	\$13.00	15.00	18.00	21.00	24.00	30.00	42.00	60.00	108.00
Case lots, dozen.....	2	2	2	2	2	1	1	½	½
Weight per case, lbs.....	65	75	90	95	125	85	120	85	110
Ship. meas. per case, cu. ft.....	4½	4¾	5¾	7	8¾	9	9½	7½	...

DEEP PRESERVING KETTLES.

Code .....	Hermake	Hermanabo
Numbers .....	18	20
Quarts .....	2½	3½
Inches .....	8x4	8¾x4
Weight per dozen, lbs.....	.....	.....
Per dozen.....	\$10.50	12.00
Case lots, dozen.....	6	6
Weight per case, lbs.....	.....	.....
Shipping measurement per case, cu. ft. ....	.....	.....



Code .....	Herocomic	Herpaut	Herrecken	Herrenpil
Numbers .....	22	24	26	28
Quarts .....	4½	5½	6½	8
Inches .....	9½x4.	10x4¾	10¾x5	11½x5¼
Weight per dozen, lbs.....	.....	.....	.....	.....
Per dozen. ....	\$13.50	15.00	18.00	21.00
Case lots, dozen.....	6	6	4	4
Weight per case, lbs.....	.....	.....	.....	.....
Shipping measurement per case, cubic feet.....	.....	.....	.....	.....

SEAMLESS FLARING  
BUCKETS OR FRUIT-  
PRESERVING KETTLES.

FAR SUPERIOR TO BRASS FOR PRESERVING PURPOSES.

Code .....	Herriale	Herring
Numbers .....	6	7
Quarts .....	6	7
Inches .....	9x5¼	9½x5¾
Weight per doz., lbs.....	20¼	23¼
Per dozen .....	\$16.00	18.00
Case lots, doz.....	4	4
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet. ....	.....	.....



Code.....	Herrlicht	Herschape	Hersende	Hersist	Hersmole
Numbers .....	8	8½	9	10	11
Quarts .....	8	10	12	16	24
Inches .....	10¼x6½	11½x7½	12½x8¼	13¾x9¼	15¼x10
Weight per doz., lbs .....	20¼	36	40½	45	59½
Per dozen.....	\$21.00	24.00	30.00	36.00	42.00
Case lots, doz .....	4	2	2	1	1
Weight per case, lbs .....	.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....	.....



## "BOSTON" MILK KETTLES.

TIN COVERS.

Code.....	Herstake	Herstrome	Hertrage	Herveile
Numbers.....	81	82	83	84
Quarts.....	1	2	3	4
Weight per doz., lbs...	10	14	21	26
Per dozen.....	\$10.50	13.00	16.00	19.00
Case lots, doz.....	2	2	2	2
Weight per case, lbs...	40	60	84	104
Shipping measure per case, / cubic feet.....	6	6 1/2	6 1/4	7



## "BOSTON" MILK KETTLES.

ENAMELED COVERS.

Code.....	Hervork	Herwackel	Herwink	Herzblat
Numbers.....	811	821	831	841
Quarts.....	1	2	3	4
Weight per doz., lbs...	10	14	21	26
Per dozen.....	\$12.50	15.00	18.00	21.00
Case lots, doz.....	2	2	2	2
Weight per case, lbs...	40	60	84	104
Shipping measure per case, / cubic feet.....	6	6 1/2	6 1/4	7



## FLAT BOTTOM TEA KETTLES.

ENAMELED COVERS.

Code.....	Herzbund	Herzgrub	Herzkam
Numbers.....	2	3	4
Quarts.....	1	1 1/2	2
Bottom diameter, inches.....	5 1/4	7	7 1/4
Weight per doz., lbs.....	10	11	16
Per dozen.....	\$16.00	18.00	20.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	.....	.....	50
Shipping measure per case, cubic feet...	.....	.....	4 1/3

Code.....	Herzoch	Hesternia	Heterosit	Heulane	Heulein	Heurete
Numbers.....	5	6	7	8	9	10
Quarts.....	3	4	5	7	8	11
Bottom diameter, inches.....	8 1/4	9	10	11	11 1/4	12
Weight per doz., lbs.....	18	24	27	31	40	42
Per dozen.....	\$23.00	26.00	30.00	35.00	42.00	50.00
Case lots, doz.....	1	1	1	1	1	1
Weight per case, lbs.....	60	60	70	80	100	110
Shipping measure per case, cubic feet.....	5 1/2	5 1/2	7	8 1/2	10 1/4	11 1/2

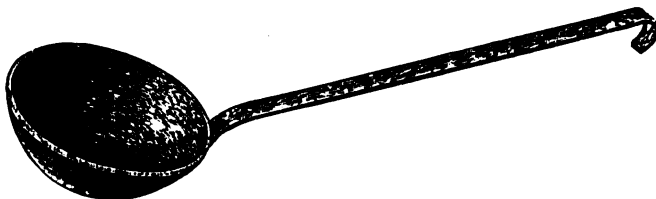
**PIT BOTTOM TEA KETTLES.**

## ENAMELED COVERS.

Code.....	Heurton	Heuwald	Hexandro	Hibernata
Numbers .....	<b>600</b>	<b>700</b>	<b>800</b>	<b>900</b>
Quarts.....	4	5	7	8
Pits diameter, inches.	6	7	8	9
Weight per doz., lbs..	24	27	31	40
Per dozen .....	\$26.00	30.00	35.00	42.00
Case lots, doz.....	1	1	1	1
Weight per case, lbs..	65	75	85	105
Shipping measure per case, cubic feet..... }	6	7	8 $\frac{1}{2}$	10 $\frac{1}{4}$

**DEEP LADLES—SOLID.**

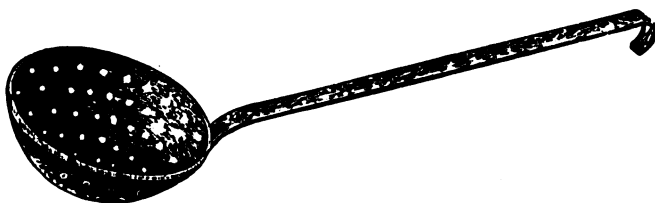
## FLAT HANDLES.



Code.....	Hidalgamo	Hiebere	Hiedram	Hiebtrot	Hiematur	Hierwide
Numbers .....	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
Inches.....	3 $\frac{1}{2}$ x1 $\frac{3}{8}$	3 $\frac{5}{8}$ x1 $\frac{1}{2}$	3 $\frac{7}{8}$ x1 $\frac{5}{8}$	4 $\frac{3}{8}$ x1 $\frac{3}{4}$	4 $\frac{3}{4}$ x2	5 $\frac{1}{8}$ x2
Weight per doz., lbs.....	3 $\frac{1}{2}$	4 $\frac{1}{2}$	5 $\frac{1}{2}$	7 $\frac{3}{4}$	9	11
Per dozen .....	\$3.50	4.00	\$4.50	5.00	5.50	6.00
Case lots, doz.....	12	12	6	6	6	6
Weight per case, lbs.....	52	64	43	57	65	77
Shipping measure per case, cubic ft.....	2	2	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2

**DEEP LADLES—PIERCED.**

## FLAT HANDLES.



Code.....	Higadille	Higharch	Hightone
Numbers .....	<b>11</b>	<b>12</b>	<b>13</b>
Inches.....	4 $\frac{3}{8}$ x1 $\frac{3}{4}$	4 $\frac{3}{4}$ x2	5 $\frac{1}{8}$ x2
Weight per doz., lbs.....	7 $\frac{3}{4}$	9	11
Per dozen .....	\$5.50	6.00	6.50
Case lots, doz.....	6	6	6
Weight per case, lbs.....	57	65	77
Shipping measure per case, cubic feet.....	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2



## LIPPED GRADUATED MEASURES.

Code.....	Hilachar
Number.....	<b>10</b>
Quart.....	1
Weight per doz., lbs.....	7¼
Per dozen.....	\$12.00
Case lots, doz.....	3
Weight per case, lbs.....	45
Shipping measure per case, cubic feet.....	4½

## MEASURES.

### STANDARD.



Code.....	Hiladill	Hilander	Hilaramo
Numbers.....	<b>01</b>	<b>02</b>	<b>03</b>
Capacity.....	1 gill	½ pt.	1 pt.
Weight per doz., lbs.....	2¼	3½	5
Per dozen.....	\$5.00	6.00	9.00
Case lots, doz.....	3	3	3
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....

Code.....	Hilerose	Himmel	Hinblute
Numbers.....	<b>04</b>	<b>05</b>	<b>06</b>
Capacity.....	1 qt.	2 qts.	4 qts.
Weight per doz., lbs.....	7¾	14	19
Per dozen.....	\$12.00	16.00	21.00
Case lots, doz.....	3	2	2
Weight per case, lbs.....	.....	65	85
Shipping measure per case, cubic feet...	.....	6½	9½

## CHILDREN'S MUGS.



Code.....	Hinchadi	Hindend
Numbers.....	<b>3</b>	<b>5</b>
Pint.....	½	1
Inches.....	3x2¾	4¾x3¼
Weight per doz., lbs.....	2¾	4½
Per dozen.....	\$4.50	6.00
Case lots, doz.....	12	12
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet...	.....	.....

## SEAMLESS CHAMBER PAILS.

### ENAMELED COVERS. SEAMLESS FEET.



Code.....	Hinderpal
Number.....	<b>8</b>
Gallons.....	3½
Inches.....	11½x10¾
Weight per doz., lbs.....	61
Per dozen.....	\$54.00
Case lots, doz.....	½
Weight per case, lbs.....	75
Shipping measure per case, cubic feet.....	7¾

**SEAMED CHAMBER PAILS.****ENAMELED COVERS.**

Code.....	Hinfuhr
Number.....	2
Gallons.....	3½
Inches.....	11¼x11½
Weight per doz., lbs.....	50
Per dozen.....	\$39.00
Case lots, doz.....	½
Weight per case, lbs.....	65
Shipping measure per case, cubic feet.....	6¾

**SEAMLESS MILK PAILS.****No. 60 MESH BRASS STRAINER CLOTH IN SPOUT.**

Code.....	Hinlaufe
Number.....	5
Gallons.....	3
Inches.....	12½x8¾
Weight per doz., lbs.....	47
Per dozen.....	\$57.00
Case lots, doz.....	1
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

**SEAMLESS STRAIGHT WATER PAILS.****FLAT BOTTOMS.**

Code.....	Hinmart	Hinojare	Hintande
Numbers.....	108	110	112
Quarts.....	8	10	12
Inches.....	9½x6¾	10½x7¾	11½x8¾
Weight per doz., lbs.....	28	33	42
Per dozen.....	\$21.00	24.00	30.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	65	65	80
Shipping measure per case, cu. ft.	4½	4½	7
Code.....	Hinterben	Hinwage	
Numbers.....	114	116	
Quarts.....	15	20	
Inches.....	12x9¾	13x10¾	
Weight per doz., lbs.....	55	72	
Per dozen.....	\$36.00	42.00	
Case lots, doz.....	1	1	
Weight per case, lbs.....	100	105	
Shipping measure per case, cubic feet.....	8½	8½	





# SEAMLESS FLARING WATER PAILS.

## SEAMLESS FEET.

Code.....	Hinzahl	Hipamost	Hipocrast
Numbers.....	<b>208</b>	<b>210</b>	<b>212</b>
Quarts.....	8	10	12
Inches.....	9½x7	10½x8	11½x9
Weight per doz, lbs.....	30	37	44
Per dozen.....	\$23.00	26.00	32.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	67	70	85
Shipping measure per case, cu. ft.	4½	4½	7

Code.....	Hippodrum	Hippomane
Numbers.....	<b>214</b>	<b>216</b>
Quarts.....	15	20
Inches.....	12x10	13x11
Weight per doz., lbs.....	60	77
Per dozen.....	\$38.00	44.00
Case lots, doz.....	1	1
Weight per case, lbs.....	105	115
Shipping measure per case, cu. ft..	8⅝	8⅝



# LIPPED WATER PAILS.

Code.....	Hirschdorp
Number.....	<b>31</b>
Quarts.....	14
Inches.....	10⅞x10½
Weight per doz., lbs.....	43
Per dozen.....	\$45.00
Case lots, doz.....	½
Weight per case, lbs.....	70
Shipping measure per case, cubic feet.....	7⅛½



# “FAVORITE” SEAMLESS SQUARE PANS.

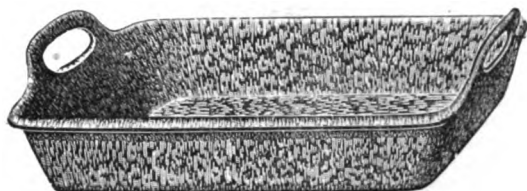
Code.....	Hirschkul	Hirsebord
Top, inches.....	<b>10</b>	<b>11</b>
Depth, inches.....	2⅞	2¼
Weight per doz., lbs.....	18	20
Per dozen.....	\$15.00	16.00
Case lots, doz.....	1	1
Weight per case, lbs.....	40	45
Shipping measure per case, cubic feet	2⅝	3



Code.....	Hirsutes	Hisopille	Historch	Historiet	Hitsenne
Top, inches.....	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>18</b>
Depth, inches.....	2½	2½	2½	2¾	2¾
Weight per doz., lbs.....	23	30	31	33	44
Per dozen.....	\$18.00	20.00	24.00	27.00	33.00
Case lots, doz.....	1	1	1	1	1
Weight per case, lbs.....	60	70	80	90	105
Shipping measure per case, cubic feet.....	3⅞½	4	4⅞	4⅝	6½

## "FAVORITE" SEAMLESS OBLONG PANS.

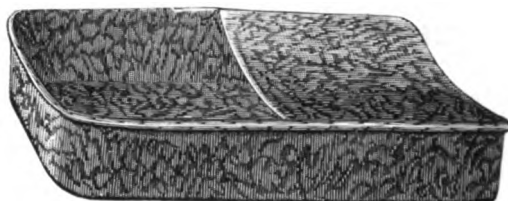
Code.....	Hitzkop	Hoarston
Length, inches.....	<b>13</b>	<b>14</b>
Width, inches.....	9	9½
Depth, inches.....	2½	2½
Weight per doz., lbs.....	24	26
Per dozen.....	\$16.00	18.00
Case lots, doz.....	1	1
Weight per case, lbs.....	45	55
Shipping measure per case, cubic feet.....	2¾	3½



Code.....	Hobachi	Hobelspa	Hobgobble	Hobnail	Hochadel
Length, inches.....	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>20</b>
Width, inches.....	10½	11	11¾	12½	13½
Depth, inches.....	2½	2½	2½	2¾	2¾
Weight per doz., lbs.....	30	33	40	44	50
Per dozen.....	\$20.00	23.00	26.00	29.00	33.00
Case lots, doz.....	1	1	1	1	1
Weight per case, lbs.....	60	65	70	90	100
Shipping measure per case, cubic feet.....	3¾	4	4½	4¾	5¾

## SEAMLESS BED OR DOUCHE PANS.

Code.....	Hochbein
Number.....	<b>2</b>
Inches.....	15¾ x 11¾ x 3
Weight per doz., lbs.....	40
Per dozen.....	\$48.00
Case lots, doz.....	1
Weight per case, lbs.....	90
Shipping measure per case, cubic feet.....	8½



## BED PANS.

Code.....	Hochflot
Number.....	<b>1</b>
Weight per doz. lbs.....	35
Per dozen.....	\$72.00
Case lots, dozen.....	1
Weight per case, lbs.....	80
Shipping measure per case, cubic feet.....	9¼



### EXTRA DEEP OVAL CAKE PANS.

Code.....	Hochheil	Hochmess
Numbers .....	1	1 1/2
Quarts .....	1	1 1/4
Inches .....	5 1/2 x 7 1/2 x 2 1/4	6 1/2 x 8 1/2 x 2 3/4
Weight per dozen, lbs.....	7 3/4	9
Per dozen .....	\$6.00	7.00
Case lots, dozen .....	12	12
Weight per case, lbs.....	.....	.....
Ship. meas. per case, cu. ft...	.....	.....

Code.....	Hochnote	Hochruck	Hochschul	Hochsten	Hochweis
Numbers.....	2	8	4	5	6
Quarts .....	1 3/4	2	2 1/2	3	4
Inches .....	7 x 9 x 2 7/8	7 1/4 x 9 1/4 x 3	7 1/4 x 10 1/2 x 3 1/8	8 1/4 x 10 3/4 x 3 3/8	8 5/8 x 11 1/4 x 3 1/2
Weight per dozen, lbs.....	10	11	14	14 1/2	18
Per dozen .....	\$8.00	9.00	10.00	12.00	14.00
Case lots, dozen .....	12	12	12	12	12
Weight per case, lbs.....	.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....	.....

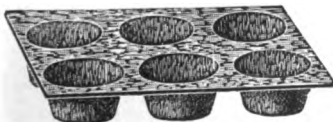


### EXTRA DEEP TUBED CAKE PANS.

Code .....	Hochwurd	Hockamor	Hodierna
Numbers .....	48	44	45
Quarts.....	3	4	5
Inches.....	8 3/4 x 3 1/4	9 3/4 x 3 3/8	10 1/2 x 3 1/2
Weight per dozen, lbs.....	14	17	22
Per dozen.....	\$8.50	10.00	11.50
Case lots, dozen.....	6	6	6
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft...	.....	.....	.....

### CORN CAKE OR LEMON PANS.

ON FRAME.



Code.....	Hodmando	Hoeblatt	Hoeckrud
Numbers .....	06 1/2	08 1/2	012 1/2
Inches .....	10 3/8 x 7 1/2	14 x 7	14 x 10 1/2
Cups.....	6	8	12
Weight per dozen, lbs.....	8 1/4	11	16
Per dozen .....	\$11.00	13.00	17.00
Case lots, dozen .....	6	6	6
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft...	.....	.....	.....

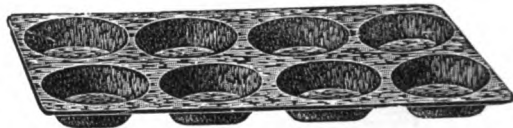
Size of small Pan, 3 1/4 x 1 1/2 inches.

**MUFFIN PANS.**

ON FRAME.

Code.....	Hofarbet	Hofback	Hofbeam
Numbers.....	6½	8½	12½
Inches.....	10¾x7½	14x7	14x10
Cups.....	6	8	12
Weight per dozen, lbs.....	7¾	11	15½
Per dozen.....	\$9.00	11.00	15.00
Case lots, dozen.....	6	6	6
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft....	.....	.....	.....

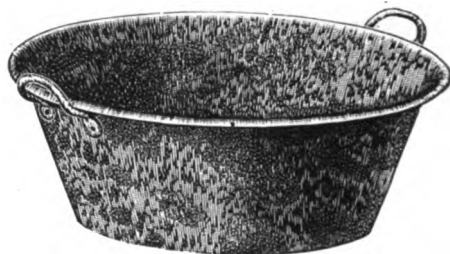
Size of small Pan, 3¼ x 1 inch.

**SEAMLESS LADY FINGER PANS.**

Code.....	Hofbrau	Hofdirm
Numbers.....	5	10
Inches.....	10x5	12x6
Cups.....	6	6
Weight per dozen, lbs.....	2	6
Per dozen.....	\$6.00	7.00
Case lots, dozen.....	12	12
Weight per case, lbs.....	.....	.....
Shipping measurement per case, cu. ft....	.....	.....

**DEEP DISH PANS.**

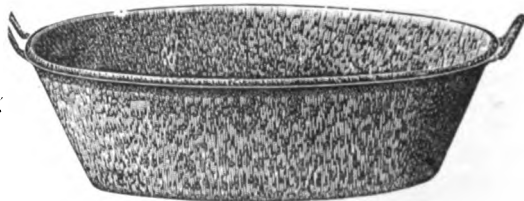
Code.....	Hofgunt	Hofkang	Hofkirch
Quarts.....	7	8	10
Inches.....	12¾x4½	14¼x4¾	14½x5
Weight per dozen, lbs.....	23	29	33
Per dozen.....	\$16.00	18.00	20.00
Case lots, dozen.....	2	2	2
Weight per case, lbs.....	80	85	100
Ship. meas. per case, cu. ft.	5½	5½	5½



Code.....	Hoflast	Hofmaner	Hofparte	Hofplaat	Hofstadt	Hoftraum
Quarts.....	14	17	21	30	40	60
Inches.....	15¾x5½	17¾x5¾	19¼x6	20¾x6¾	24¼x7½	27x8¼
Weight per dozen, lbs.....	38	45	49	58	71	140
Per dozen.....	\$24.00	28.00	32.00	48.00	78.00	120.00
Case lots, dozen.....	2	2	1	1	1	½
Weight per case, lbs.....	125	145	110	125	160	140
Shipping measurement per case, cubic feet.....	6¾	9¾	10¾	12½	15½	13¾

**OVAL DISH PANS.**

Code.....	Hofzirk	Hogaste	Hogplan
Quarts.....	15	18	22
Inches.....	13x17x5¼	15½x19x5½	17x21x5¼
Weight per doz., lbs.	47	53	60
Per dozen.....	\$33.00	37.00	42.00
Case lots, dozen.....	2	2	2
Weight per case, lbs.	110	130	150
Ship. meas. per case, cu. ft.	7¼	10½	11¾





### Egg Fry Pans

Code.....	Hogsteer	Hohlbeck	Hohlmass
Eyes.....	4	5	6
Diameter inches.....	9 $\frac{3}{4}$	12	12 $\frac{1}{4}$
Weight per doz., lbs.....	16	20	25
Per dozen.....	\$12.00	14.00	16.00
Case lots, doz.....	3	3	3
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet	.....	.....	.....



### DEEP LIPPED FRY PANS.

Code.....	Hohlwage	Hohlwurt
Numbers.....	0	1
Top diameter, inches.....	7 $\frac{3}{8}$	8 $\frac{1}{2}$
Bottom diameter, inches.....	6	6 $\frac{1}{2}$
Depth, inches.....	1 $\frac{1}{2}$	1 $\frac{3}{4}$
Weight per doz., lbs.....	8 $\frac{3}{4}$	10
Per dozen.....	\$7.00	8.00
Case lots, doz.....	6	6
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet	.....	.....

Code.....	Hoiden	Holandi	Holbeit	Holdsel	Holgade	Holgazane
Numbers.....	2	8	4	5	6	7
Top diameter, inches.....	9	9 $\frac{3}{4}$	10	11 $\frac{1}{4}$	12	13 $\frac{1}{8}$
Bottom diameter, inches.....	7	7 $\frac{1}{2}$	8	9	10	10 $\frac{1}{2}$
Depth, inches.....	1 $\frac{3}{4}$	1 $\frac{3}{4}$	2	2	2	2 $\frac{1}{4}$
Weight per doz., lbs.....	13	15	16	17	25	31
Per dozen.....	\$9.00	10.00	12.00	14.00	16.00	18.00
Case lots, doz.....	6	6	6	6	6	6
Weight per case, lbs.....	.....	.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....	.....	.....

### SHALLOW JELLY CAKE PANS.

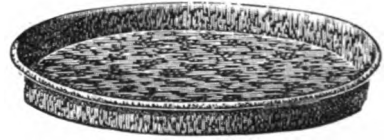


Code.....	Hollenpan	Hollinade
Numbers.....	9	10
Inches.....	9x $\frac{1}{2}$	10x $\frac{1}{2}$
Weight per doz., lbs.....	6	8 $\frac{1}{4}$
Per dozen.....	\$5.25	6.00
Case lots, doz.....	6	6
Weight per case, lbs.....	43	55
Shipping measure per case, cubic feet	1 $\frac{2}{3}$	2

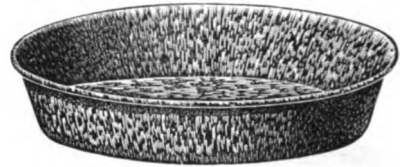
**MOUNTAIN CAKE PANS.**

EXTRA DEEP.

Code .....	Hollinot	Holomete	Holoserie
Numbers .....	<b>800</b>	<b>900</b>	<b>1000</b>
Inches .....	8x $\frac{3}{4}$	9x1 $\frac{1}{4}$	10x1 $\frac{1}{4}$
Weight per doz., lbs. ....	9	10	11
Per dozen .....	\$5.50	6.50	7.50
Case lots, doz. ....	6	6	6
Weight per case, lbs. ....	.....	.....	.....
Shipping measure per case, cubic feet..	1 $\frac{2}{3}$	1 $\frac{5}{8}$	2

**STRAIGHT MILK PANS.**

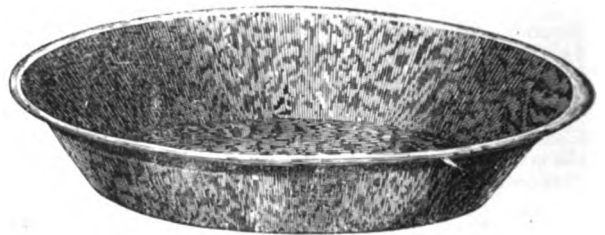
Code .....	Holrant	Holworte	Holzaste	Holzbock
Quarts .....	$\frac{1}{2}$	<b>1</b>	<b>1<math>\frac{1}{2}</math></b>	<b>2</b>
Inches .....	6x1 $\frac{3}{8}$	7x1 $\frac{5}{8}$	7 $\frac{1}{2}$ x1 $\frac{3}{4}$	8 $\frac{1}{2}$ x2
Weight per doz., lbs. ....	3	3 $\frac{1}{2}$	5	6 $\frac{3}{4}$
Per dozen .....	\$3.75	4.25	5.00	5.75
Case lots, doz. ....	6	6	6	6
Weight per case, lbs. ....	29	35	48	50
Shipping measure per case, cubic feet. ....	1	1 $\frac{1}{8}$	1 $\frac{1}{3}$	2



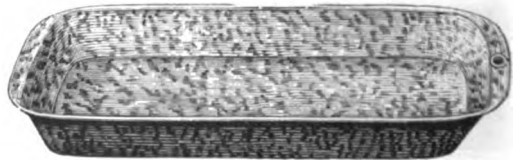
Code .....	Holzfeil	Holzfloss	Holzhack	Holzhande	Holzhauf	Holzkohl	Holzleht	Holzmutz
Quarts .....	<b>3</b>	<b>3<math>\frac{1}{2}</math></b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>
Inches .....	9 $\frac{1}{4}$ x2 $\frac{1}{4}$	10x2 $\frac{1}{4}$	10 $\frac{5}{8}$ x2 $\frac{1}{2}$	11 $\frac{5}{8}$ x2 $\frac{5}{8}$	12 $\frac{5}{8}$ x2 $\frac{3}{4}$	13 $\frac{1}{4}$ x2 $\frac{7}{8}$	14 $\frac{1}{4}$ x3	15x3 $\frac{1}{8}$
Weight per doz., lbs. ....	10	11	11 $\frac{1}{2}$	14	17	18	19	23
Per dozen .....	\$6.50	7.25	8.00	9.00	10.00	11.00	13.00	15.00
Case lots, doz. ....	6	6	6	6	6	6	6	6
Weight per case, lbs. ....	60	70	80	90	105	130	170	215
Shipping measure per case, cubic feet. ....	2 $\frac{1}{4}$	2 $\frac{1}{3}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$ $\frac{1}{12}$	3 $\frac{1}{4}$ $\frac{1}{12}$	5 $\frac{1}{4}$ $\frac{1}{12}$	7	8 $\frac{1}{2}$

**MINERS' GOLD PANS.**

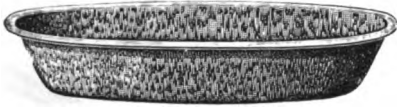
Code .....	Holzraspe
Number .....	<b>142</b>
Inches .....	16 $\frac{1}{4}$ x2 $\frac{3}{8}$
Weight per doz., lbs. ....	.....
Per dozen .....	\$20.00
Case lots, doz. ....	6
Weight per case, lbs. ....	.....
Shipping measure per case, cubic feet. ....	.....

**SEAMLESS OBLONG PANS.**

Code .....	Holzrolle
Number .....	<b>128</b>
Inches .....	12 $\frac{1}{8}$ x8 $\frac{1}{8}$ x1 $\frac{1}{8}$
Weight per doz., lbs. ....	10
Per dozen .....	\$9.00
Case lots, doz. ....	6
Weight per case, lbs. ....	.....
Shipping measure per case, cubic feet. ....	.....



**OVAL PUDDING PANS.**

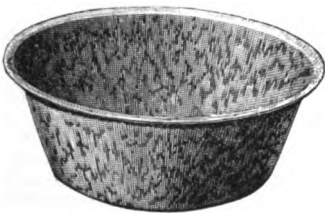


Code.....	Holzwarte			
Numbers.....	<b>201</b>			
Quarts.....	1½			
Inches.....	8x10¼x1¾			
Weight per doz., lbs.....	10			
Per dozen.....	<b>\$7.00</b>			
Case lots, doz.....	12			
Weight per case, lbs.....	.....			
Shipping measure per case, cubic feet.....	.....			

Code.....	Homarde	Homberg	Hombraze	Hombred
Numbers.....	<b>202</b>	<b>203</b>	<b>204</b>	<b>205</b>
Quarts.....	2	2½	3	6
Inches.....	8½x11¾x2	9¾x12¾x2¼	10¾x13½x2½	12¾x16¾x3
Weight per doz., lbs.....	11	16	20	30
Per dozen.....	<b>\$8.00</b>	10.00	12.00	18.00
Case lots, doz.....	12	12	6	6
Weight per case, lbs.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....

**EXTRA DEEP PUDDING PANS.**



FLAT EDGES.

Code.....	Hombrille		Hombrun	
Numbers.....	<b>15</b>		<b>16</b>	
Quarts.....	½		1	
Inches.....	6¾x2¼		7¾x2½	
Weight per doz., lbs.....	3¼		4½	
Per dozen.....	<b>\$4.50</b>		5.25	
Case lots, doz.....	6		6	
Weight per case, lbs.....	35		43	
Shipping measure per case, cubic feet.....	1¼		1½	

Code.....	Homebond	Homiklan	Homiliar	Homolog	Homophon	Hondeamo	Hondero	Hondillai
Numbers.....	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
Quarts.....	1½	2	3	4	5	6	8	10
Inches.....	7¼x2¾	8¾x3	9¾x3¼	10¼x3¾	11x3½	11¾x3¾	12½x3¾	13¾x4
Weight per doz., lbs.....	6	8¼	10	11	14	17	18	21
Per dozen.....	<b>\$6.00</b>	6.75	7.50	8.25	9.50	11.00	13.00	15.00
Case lots, doz.....	6	6	6	6	6	6	6	6
Weight per case, lbs.....	55	62	70	75	99	122	128	151
Shipping measure per case, cubic feet.....	1¾	2	2½	2½	2¾	3	3½	4

**"BERLIN" SAUCE PANS.**

TIN COVERS.



Code.....	Honette	Honigap	Honigblum	Honoram	Honorari
Numbers.....	<b>02</b>	<b>03</b>	<b>04</b>	<b>06</b>	<b>08</b>
Quarts.....	1¾	2½	3¾	6	8
Inches.....	6x3¾	7x4	8x4½	9x5½	10x6¼
Wt. per doz., lbs..	11	14	17	26	33
Per dozen.....	<b>\$10.00</b>	13.00	16.00	20.00	24.00
Case lots, doz.....	3	3	3	2	2
Wt. per case, lbs..	90	100	135	120	150
Shipping meas. per case, cubic feet.....	8¾	9¾	15¾	14	17¼

**"BERLIN" SAUCE PANS.**

## ENAMELED COVERS.

Code.....	Honrille	Hoofdade	Hoogacht	Hooghart	Hoogmist
Numbers .....	<b>021</b>	<b>031</b>	<b>041</b>	<b>061</b>	<b>081</b>
Quarts.....	1¾	2½	3¾	6	8
Inches.....	6x3¾	7x4	8x4½	9x5½	10x6¼
Wt. per doz., lbs.	11	14	17	26	33
Per dozen.....	\$13.00	16.00	19.00	24.00	28.00
Case lots, doz.	3	3	3	2	2
Wt. per case, lbs.	90	100	135	120	150
Shipping meas. per } case, cubic feet. }	8⅔	9⅔	15¾	14	17½

**SEAMLESS "CONVEX" SAUCE PANS.**

## TIN COVERS.



Code.....	Hooknose	Hoordere	Hoornert	Hopaland	Hopbin.le
Numbers .....	<b>102</b>	<b>103</b>	<b>104</b>	<b>106</b>	<b>108</b>
Quarts.....	2	3	4	6	8
Inches.....	6x4½	7x5	8½x5¼	9¼x6¾	10¼x7¼
Weight per doz., lbs.	17	20	21	28	35
Per dozen.....	\$13.00	17.00	21.00	25.00	30.00
Case lots, doz.	2	3	3	2	2
Weight per case, lbs.	65	110	155	150	170
Shipping measure per case, cubic feet.	6⅔	11⅓	16½	15⅓	19⅓



# SEAMLESS "CONVEX" SAUCE PANS.

ENAMELED COVERS.



Code.....	Hopfenbeg	Hoppole	Horacamo	Horacart	Horadacio
Numbers.....	<b>1021</b>	<b>1031</b>	<b>1041</b>	<b>1061</b>	<b>1081</b>
Quarts.....	2	3	4	6	8
Inches.....	6x4½	7x5	8½x5¼	9¼x6¾	10¼x7¼
Weight per doz., lbs.....	17	20	21	28	35
Per dozen.....	\$16.00	20.00	24.00	29.00	34.00
Case lots, doz.....	2	3	3	2	2
Weight per case, lbs.....	65	110	155	150	170
Shipping measure per case, cubic feet.....	6½	11⅓	16½	15½ <sub>12</sub>	19½



# COVERED SEAMLESS "CLIMAX" SAUCE PANS.

ENAMELED COVERS. PATENT BOTTOMS.

Code.....	Horbark	Horcone	Hordenaro
Numbers.....	<b>8011</b>	<b>8021</b>	<b>8031</b>
Quarts.....	¾	1	2
Inches.....	5x3½	5¾x3¾	6¾x4
Weight per doz., lbs.....	12	15	19
Per dozen.....	\$14.00	17.00	21.00
Case lots, doz.....	6	6	3
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft....	.....	.....	.....

Code.....	Hormigate	Hornacho	Hornblend
Numbers.....	<b>8041</b>	<b>8061</b>	<b>8081</b>
Quarts.....	3	5	7
Inches.....	8x4½	9x5	9¾x6
Weight per doz., lbs.....	25	36	45
Per dozen.....	\$24.00	27.00	30.00
Case lots, doz.....	3	2	2
Weight per case, lbs.....	140	135	160
Shipping measure per case, cubic feet.....	12½ <sub>12</sub>	11½ <sub>12</sub>	18¼



## COVERED "WINDSOR" SAUCE PANS.

### TIN COVERS.

Code.....	Hornblow	Hornfarb	Hornflat	Hornhasp
Numbers.....	<b>112</b>	<b>114</b>	<b>116</b>	<b>118</b>
Quarts.....	1	1½	2	2½
Inches.....	6x3	7x3½	7½x3½	8x4
Wt. per doz., lbs.....	11	14	15½	18
Per dozen.....	\$9.00	10.00	11.00	13.00
Case lots, doz.....	3	3	3	3
Wt. per case, lbs.....	70	95	105	110
Ship. meas. per case, cu. ft.	6½	9	10½	10⅝

Code.....	Hornillo	Hornkuch	Hornplat	Hornpress	Hornraspe	Hornstiler
Numbers.....	<b>120</b>	<b>122</b>	<b>124</b>	<b>126</b>	<b>128</b>	<b>130</b>
Quarts.....	3½	4¼	5½	6½	8	10
Inches.....	9x4	9½x4	10x4¾	10¾x5	11½x5¼	12½x5¼
Weight per doz., lbs.....	20	25	29	31	40	47
Per dozen.....	\$15.00	17.00	19.00	22.00	25.00	30.00
Case lots, doz.....	2	2	2	2	1	1
Weight per case, lbs.....	95	105	120	140	85	105
Shipping measure per case, cubic feet.....	11¾	11½	14	16	9⅔	11⅝



## COVERED "WINDSOR" SAUCE PANS.

### ENAMELED COVERS.

Code.....	Hornspit	Hornvast	Hornvoge	Hornwerke
Numbers.....	<b>1121</b>	<b>1141</b>	<b>1161</b>	<b>1181</b>
Quarts.....	1	1½	2	2½
Inches.....	6x3	7x3½	7½x3½	8x4
Wt. per doz., lbs.....	11	14	15½	18
Per dozen.....	\$12.00	13.00	14.00	16.00
Case lots, doz.....	3	3	3	3
Wt. per case, lbs.....	70	95	105	110
Shipping meas. per case, cubic feet.....	6½	9	10½	10⅝

Code.....	Horologe	Horoscope	Horquille	Horrebase	Horrendor	Horrescat
Numbers.....	<b>1201</b>	<b>1221</b>	<b>1241</b>	<b>1261</b>	<b>1281</b>	<b>1301</b>
Quarts.....	3½	4¼	5½	6½	8	10
Inches.....	9x4	9½x4	10x4¾	10¾x5	11½x5¼	12½x5¼
Weight per doz., lbs.....	20	25	29	31	40	47
Per dozen.....	\$18.00	20.00	22.00	26.00	29.00	36.00
Case lots, doz.....	2	2	2	2	1	1
Weight per case, lbs.....	95	105	120	140	85	105
Shipping measure per case, cubic feet.....	11¾	11½	14	16	9⅔	11⅝



# STRAIGHT SEAMLESS SAUCE PANS.

## TIN COVERS.

Code.....	Horriffice	Horseante
Numbers .....	<b>50</b>	<b>100</b>
Quart.....	$\frac{1}{2}$	1
Inches.....	4x3	4 $\frac{3}{4}$ x3 $\frac{1}{2}$
Weight per doz., lbs.....	6 $\frac{3}{4}$	11
Per dozen .....	\$8.00	10.00
Case lots, doz.....	2	2
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic ft...	3	3 $\frac{1}{2}$

Code .....	Horseford	Horseled	Horsement	Horsepond	Hoserack	Horsewhip
Numbers .....	<b>200</b>	<b>300</b>	<b>400</b>	<b>600</b>	<b>800</b>	<b>1000</b>
Quarts.....	2	3	4	6	8	10
Inches.....	5 $\frac{5}{8}$ x4 $\frac{3}{4}$	6 $\frac{1}{4}$ x5 $\frac{1}{4}$	7x6	8 $\frac{1}{4}$ x6 $\frac{3}{4}$	8 $\frac{3}{4}$ x7 $\frac{1}{2}$	9 $\frac{1}{2}$ x8 $\frac{3}{4}$
Weight per doz., lbs.....	14	20	21	28	37	41
Per dozen.....	\$12.00	15.00	18.00	24.00	30.00	36.00
Case lots, doz.....	2	2	2	1	1	1
Weight per case, lbs.....	60	71	82	62	85	97
Shipping measure per case, cubic feet.....	6 $\frac{1}{6}$	8 $\frac{1}{3}$	9	8 $\frac{1}{6}$	9 $\frac{7}{12}$	11 $\frac{5}{12}$



# STRONG LIPPED SAUCE PANS.

Code.....	Horsume	Hortally	Hortare	Hortator
Numbers .....	<b>9</b>	<b>10</b>	<b>12</b>	<b>14</b>
Quarts.....	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$
Inches.....	4 $\frac{1}{2}$ x2 $\frac{1}{4}$	5x2 $\frac{1}{4}$	6x2 $\frac{1}{2}$	6 $\frac{1}{2}$ x3 $\frac{1}{4}$
Wt. per doz., lbs...	4 $\frac{1}{2}$	5 $\frac{1}{2}$	6 $\frac{3}{4}$	7
Per dozen .....	\$4.50	5.00	5.50	6.50
Case lots, doz.....	6	6	6	3
Wt. per case, lbs...	.....	.....	.....	35
Shipping measure per case, cubic feet.....	.....	.....	.....	2 $\frac{1}{4}$

Code.....	Hortezue	Hosenlate	Hospedare	Hospicer	Hostedil	Hostiar	Hostigabe	Hostigamo
Numbers .....	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>
Quarts.....	2	2 $\frac{1}{2}$	3	4	5	6	7 $\frac{1}{2}$	10
Inches.....	7x3 $\frac{1}{2}$	7 $\frac{3}{4}$ x3 $\frac{1}{2}$	8 $\frac{1}{2}$ x3 $\frac{3}{4}$	9x4	9 $\frac{3}{4}$ x4 $\frac{1}{4}$	11x5	11 $\frac{1}{4}$ x5 $\frac{1}{2}$	12x6
Weight per doz., lbs.....	8 $\frac{1}{4}$	10	14	16	18	27	28	33
Per dozen.....	\$7.50	8.50	10.00	11.50	13.00	15.00	18.00	21.00
Case lots, doz.....	3	3	3	3	3	3	3	1 $\frac{1}{2}$
Weight per case, lbs.....	45	60	70	90	95	105	125	100
Shipping measure per case, cubic feet.....	2 $\frac{3}{4}$	3	3	4 $\frac{1}{4}$	5	5 $\frac{3}{4}$	7 $\frac{2}{3}$	7 $\frac{1}{3}$



### EXTRA STRONG STRAIGHT SAUCE PANS.

Code.....	Hostilité	Hostler	Hotblood	Hotbrain
Numbers.....	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>
Quarts.....	1½	2	2½	3½
Inches.....	6x5½	6¾x3¾	7¾x4	8½x4½
Wt. per doz., lbs.....	9	12	16	20
Per dozen.....	\$9.00	11.00	13.00	15.00
Case lots, doz.....	6	6	6	2
Wt. per case, lbs.....	.....	.....	.....	70
Shipping measure per case, cubic feet.....	.....	.....	.....	4¼

Code.....	Hothead	Hothouse	Hotpress	Houblonn	Houdbar	Houkinde	Houmina
Numbers.....	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>	<b>36</b>
Quarts.....	4½	5½	6½	8	10	12	14
Inches.....	9¼x4¾	10x5	10¾x5	11½x5½	12¼x5½	13x5¾	14¼x6
Weight per doz., lbs.....	26	32	36	46	52	56	74
Per dozen.....	\$17.00	19.00	21.00	25.00	29.00	33.00	39.00
Case lots, doz.....	3	3	3	3	3	1	1
Weight per case, lbs.....	120	145	170	200	240	105	115
Shipping measure per case, cubic feet.....	5¾	8½	10	12¼	14½	7½	8¾



### DEEP STEW PANS.

Code.....	Houdate	Houspille
Numbers.....	<b>14</b>	<b>16</b>
Quarts.....	1	1½
Inches.....	7x2½	7½x2¾
Weight per doz., lbs.....	7¾	10
Per dozen.....	\$6.50	7.00
Case lots, doz.....	4	4
Weight per case, lbs.....	50	60
Shipping measure per case, cubic feet.....	2¾	4

Code.....	Houtappe	Houtbake	Houtzag	Howitzer	Howlings	Hoyicot	Hozadare
Numbers.....	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>
Quarts.....	2	3	4	5	6	7½	9½
Inches.....	7¾x3¾	8½x3¾	9¼x3½	9½x4	10½x4¼	11x4½	12x5
Weight per doz., lbs.....	17	17	20	25	25	28	33
Per dozen.....	\$8.00	9.00	11.00	13.00	16.00	19.00	23.00
Case lots, doz.....	3	3	3	3	3	3	3
Weight per case, lbs.....	60	65	85	95	100	106	124
Shipping measure per case, cubic feet.....	3½	3¾	4½	5	5½	6¼	7¾



## MOLASSES PITCHERS.

### ENAMELED COVERS.

Code.....	Hozandom
Number.....	<b>601</b>
Pints.....	1½
Weight per doz., lbs.....	6½
Per dozen.....	<b>\$12.00</b>
Case lots, doz.....	3
Weight per case, lbs.....	50
Shipping measure per case, cubic feet.....	4½



## SEAMLESS CONVEX WATER PITCHERS.

Code.....	Hozebane	Hubiamo
Numbers.....	<b>400</b>	<b>401</b>
Pint.....	¾	1
Weight per doz., lbs.....	6	6¾
Per dozen.....	<b>\$12.00</b>	13.00
Case lots, doz.....	3	3
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....

Code.....	Hubist	Hucheamo	Huchort	Huelfage
Numbers.....	<b>402</b>	<b>403</b>	<b>404</b>	<b>405</b>
Pints.....	2	3	4	5
Weight per doz., lbs.....	9	11	14	15
Per dozen.....	<b>\$15.00</b>	17.00	19.00	21.00
Case lots, doz.....	3	3	3	3
Weight per case, lbs.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	6¾	.....



## SEAMLESS WATER PITCHERS.

Code.....	Huelgosh	Huerfanic	Hufengo	Hufkrate
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Quarts.....	1½	2	3	4
Wt. per doz., lbs...	11	14	16	20
Per dozen.....	<b>\$15.00</b>	18.00	21.00	27.00
Case lots, doz.....	3	3	3	3
Wt. per case, lbs...	60	90	115	130
Shipping measure per case, cubic feet.....	5½	9	12½	14



## SEAMLESS CREAM PITCHERS.

Code.....	Hufrasp
Number.....	<b>400</b>
Pint.....	¾
Weight per doz., lbs.....	6
Per dozen.....	<b>\$12.00</b>
Case lots, doz.....	3
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

**PITCHERS AND BOWLS.**

Code .....	Huidkler	Huidspat
Numbers.....	<b>11</b>	<b>2</b>
Weight per dozen sets, lbs.....	33	40
Per dozen.....	\$35.00	42.00
Case lots, dozen.....	$\frac{1}{2}$	$\frac{1}{2}$
Weight per case, lbs.....	.....	.....
Shipping measurement per case, cu. ft. ....	.....	.....

**Pitchers Only.**

Code .....	Huldrag	Hulflote
Numbers.....	<b>100</b>	<b>200</b>
Inches .....	$6\frac{1}{2} \times 10\frac{3}{4}$	$7\frac{1}{2} \times 12\frac{1}{4}$
Quarts .....	3	4
Per dozen.....	\$27.00	33.00

**Bowls Only.**

Code .....	Hulfred	Hulpbend
Numbers.....	<b>28</b>	<b>80</b>
Inches .....	$11\frac{3}{8} \times 3\frac{3}{8}$	$12\frac{1}{4} \times 3\frac{3}{8}$
Per dozen.....	\$8.00	9.00

**DEEP EGG PLATES OR PANS.**

Code .....	Hulsign	Humanize	Humared	Humation
Numbers .....	<b>00</b>	<b>10</b>	<b>20</b>	<b>30</b>
Inches .....	$4\frac{1}{4} \times 1$	$5\frac{1}{8} \times 1\frac{1}{8}$	$6\frac{1}{8} \times 1\frac{1}{8}$	$7\frac{1}{8} \times 1\frac{1}{8}$
Weight per dozen, lbs.	$2\frac{1}{4}$	$2\frac{3}{4}$	$3\frac{1}{2}$	$5\frac{1}{2}$
Per dozen.....	\$3.50	4.25	5.00	5.75
Case lots, dozen.....	12	12	12	12
Weight per case, lbs....	.....	.....	.....	.....
Shipping meas. per case, cu. ft. ....	.....	.....	.....	.....

**OVAL SHIRRED EGG PLATES.**

Code .....	Humecton	Humero
Numbers .....	<b>1</b>	<b>2</b>
Inches.....	$6 \times 4\frac{1}{2} \times 1$	$6\frac{1}{2} \times 4\frac{3}{4} \times 1\frac{1}{4}$
Weight per dozen, lbs.....	$2\frac{3}{4}$	$3\frac{1}{2}$
Per dozen .....	\$3.50	4.25
Case lots, dozen.....	12	12
Weight per case, lbs.....	.....	.....
Ship. measurement per case, cu. ft. ....	.....	.....

**ROUND BOTTOM DINNER PLATES.**

Code .....	Humidior
Number.....	<b>24</b>
Inches .....	$9 \times 1$
Weight per dozen, lbs.....	$5\frac{1}{2}$
Per dozen .....	\$6.00
Case lots, dozen ..	12
Weight per case, lbs.....	85
Shipping measurement per case, cubic feet .....	$2\frac{2}{3}$



## FLAT BOTTOM DINNER PLATES.



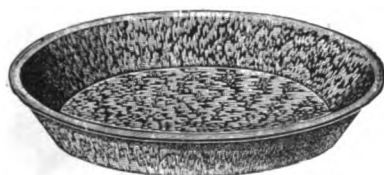
Code .....	Humifere	Humildaca	Humiliate
Numbers .....	<b>108</b>	<b>108½</b>	<b>110</b>
Inches .....	8	8½	10
Weight per dozen, lbs.....	5½	5½	7¾
Per dozen .....	\$4.50	5.00	6.50
Case lots, dozen.....	12	12	12
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft....	1¾	1¾	2

## PIE PLATES.



Code.....	Humorcito	Humorous	Hundehin	Hundera	Hundies
Numbers.....	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
Inches.....	7x ¾	8x ¾	9x ¾	10x1	11x1
Wt. per doz, lbs...	3¼	4½	6	6¾	10
Per dozen.....	\$3.25	4.00	4.75	5.50	6.50
Case lots, doz.	12	12	12	12	12
Wt. per case, lbs ..	66	78	92	105	135
Ship. measurement ) per case, cu. ft. }	2	2½	3	3½	.4

## EXTRA DEEP PIE PLATES.



Code.....	Hundion	Hundmiste
Inches.....	<b>9</b>	<b>10</b>
Weight per dozen, lbs.....	5½	7½
Per dozen .....	\$5.00	6.25
Case lots, dozen .....	12	12
Weight per case, lbs.....	102	110
Shipping measure per case, cu. ft.....	3	3½

## SOUP PLATES.



Code.....	Hundskol
Number.....	<b>85</b>
Inches .....	9½
Weight per dozen, lbs.....	7
Per dozen.....	\$6.75
Case lots, dozen .....	12
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

**LIPPED COFFEE POTS.****TIN COVERS.**

Code.....	Hundster	Hunker	Hunneric	Huranos
Numbers .....	<b>07</b> ½	<b>08</b> ½	<b>09</b> ½	<b>011</b> ½
Quarts .....	½	¾	1	1 ½
Wt. per doz., lbs...	5 ½	6	10	11
Per dozen .....	<b>\$10.00</b>	11.00	12.00	14.00
Case lots, dozen...	2	2	2	1
Wt. per case, lbs...	32	42	50	40
Ship. meas. per case, cu. ft.	2	3 ½	4 ½	3 ½

Code.....	Hurdeen	Hurgadis	Hurgamo	Hurgast
Numbers .....	<b>012</b> ½	<b>013</b> ½	<b>014</b> ½	<b>015</b> ½
Quarts .....	2	3	4	5
Wt. per doz., lbs...	14	15	19	22
Per dozen .....	<b>\$16.00</b>	18.00	20.00	23.00
Case lots, dozen...	1	1	1	1
Wt. per case, lbs...	45	55	55	75
Ship. meas. per case, cu. ft.	4	5 ¾	6 ½	6 ½

**LIPPED COFFEE POTS.****ENAMELED COVERS.**

Code.....	Hurtague	Hurtamine	Hurtiges	Hurtoire
Numbers .....	<b>071</b> ½	<b>081</b> ½	<b>091</b> ½	<b>0111</b> ½
Quarts .....	½	¾	1	1 ½
Wt. per doz., lbs..	5 ½	6	10	11
Per dozen.....	<b>\$12.00</b>	13.00	14.00	16.00
Case lots, doz.....	2	2	2	1
Wt. per case, lbs..	32	42	50	40
Shipping measure per / case, cubic feet....	2	3 ½	4 ½	3 ½

Code.....	Hushander	Hushmone	Hushilleer	Husitare
Numbers .....	<b>0121</b> ½	<b>0131</b> ½	<b>0141</b> ½	<b>0151</b> ½
Quarts.....	2	3	4	5
Wt. per doz., lbs..	14	15	19	22
Per dozen.....	<b>\$18.00</b>	20.00	22.00	25.00
Case lots, doz.....	1	1	1	1
Wt. per case, lbs..	45	55	55	75
Shipping measure per / case, cubic feet....	4	5 ¾	6 ½	6 ½







## SEAMLESS COFFEE POTS.

### ENAMELED COVERS.

Code.....	Hutbort	Hutfede	Hutkap
Numbers.....	<b>2009</b> 1/2	<b>2011</b> 1/2	<b>2012</b> 1/2
Quarts.....	1	1 1/2	2
Weight per doz., lbs.....	10	11	14
Per dozen.....	\$18.00	20.00	22.00
Case lots, doz.....	2	1	1
Weight per case, lbs.....	50	40	45
Shipping measure per case, cubic feet...	4 1/2	3 7/8	4
Code.....	Hutkramp	Hutlite	Hutlost
Numbers.....	<b>2013</b> 1/2	<b>2014</b> 1/2	<b>2015</b> 1/2
Quarts.....	3	4	5
Weight per doz., lbs.....	15	19	22
Per dozen.....	\$24.00	26.00	29.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	55	55	75
Shipping measure per case, cubic feet...	5 3/4	6 5/8	6 5/8

## TEA POTS.

### TIN COVERS.

Code.....	Hutnader	Hutsente	Hutstacke	Hyalite
Numbers.....	<b>07</b>	<b>08</b>	<b>09</b>	<b>011</b>
Quarts.....	1/2	3/4	1	1 1/2
Weight per doz., lbs..	5 1/2	6	10	11
Per dozen.....	\$10.00	11.00	12.00	14.00
Case lots, doz.....	2	2	2	1
Weight per case, lbs..	32	42	50	40
Shipping measure per case, cubic feet.....	2	3 1/2	4 1/2	3 7/8
Code.....	Hyaloid	Hyalust	Hydriol	Hygienic
Numbers.....	<b>012</b>	<b>013</b>	<b>014</b>	<b>015</b>
Quarts.....	2	3	4	5
Weight per doz., lbs..	14	15	19	22
Per dozen.....	\$16.00	18.00	20.00	23.00
Case lots, doz.....	1	1	1	1
Weight per case, lbs..	45	55	55	75
Shipping measure per case, cubic feet.....	4	5 3/4	6 5/8	6 5/8



**TEA POTS.**

## ENAMELED COVERS.

Code.....	Hylobate	Hylotheist	Hymnari	Hymnifer
Numbers.....	<b>071</b>	<b>081</b>	<b>091</b>	<b>0111</b>
Quarts.....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$
Weight per doz., lbs.	$5\frac{1}{2}$	6	10	11
Per dozen.....	\$12.00	13.00	14.00	16.00
Case lots, doz.....	2	2	2	1
Weight per case, lbs.	32	42	50	40
Shipping measure per case, cubic feet.....	2	$3\frac{1}{2}$	$4\frac{1}{2}$	$3\frac{1}{2}$
Code.....	Hyperbase	Hysteria	Hystorte	Hystume
Numbers.....	<b>0121</b>	<b>0131</b>	<b>0141</b>	<b>0151</b>
Quarts.....	2	3	4	5
Weight per doz., lbs.	14	15	19	22
Per dozen.....	\$18.00	20.00	22.00	25.00
Case lots, doz.....	1	1	1	1
Weight per case, lbs.	45	55	55	75
Shipping measure per case, cubic feet.....	4	$5\frac{3}{4}$	$6\frac{1}{2}$	$6\frac{5}{8}$

**SEAMLESS TEA POTS.**

## ENAMELED COVERS.

Code.....	Iantronice	Ibameter	Ibernot
Numbers.....	<b>2009</b>	<b>2011</b>	<b>2012</b>
Quarts.....	1	$1\frac{1}{2}$	2
Weight per doz., lbs.	10	11	14
Per dozen.....	\$18.00	20.00	22.00
Case lots, doz.....	2	1	1
Weight per case, lbs.	50	40	45
Shipping measure per case, cubic feet.....	$4\frac{1}{2}$	$3\frac{1}{2}$	4
Code.....	Ibizone	Ibridar	Icadist
Numbers.....	<b>2013</b>	<b>2014</b>	<b>2015</b>
Quarts.....	3	4	5
Weight per doz., lbs.	15	19	22
Per dozen.....	\$24.00	26.00	29.00
Case lots, doz.....	1	1	1
Weight per case, lbs.	55	55	75
Shipping measure per case, cubic feet.....	$5\frac{3}{4}$	$6\frac{1}{2}$	$6\frac{5}{8}$

**COVERED SEAMLESS****"CONVEX" SAUCE POTS.**

## ENAMELED COVERS. SIDE HANDLES.

Code.....	Ichacore	Ichlin	Iclemor	Iconeme
Numbers.....	<b>24</b>	<b>312</b>	<b>314</b>	<b>318</b>
Quarts.....	8	12	16	20
Inches.....	$10\frac{1}{8} \times 6\frac{1}{4}$	$11\frac{1}{4} \times 8$	$12\frac{1}{4} \times 8\frac{3}{4}$	$13\frac{1}{2} \times 9\frac{1}{2}$
Wt. per doz., lbs.	33	45	60	70
Per dozen.....	\$28.00	48.00	54.00	63.00
Case lots, doz.....	2	1	1	$\frac{1}{2}$
Wt. per case, lbs.	125	95	135	90
Shipping measure per case, cu. ft. (	12	$12\frac{3}{4}$	$11\frac{1}{2}$	$9\frac{5}{8}$





# STRAIGHT SEAMLESS COVERED SAUCE POTS.

TIN COVERS. SIDE HANDLES.

Code.....	Icorosot	Icteria
Numbers.....	<b>10</b>	<b>20</b>
Quarts.....	1	2
Inches.....	4¼x3½	5¼x4¼
Weight per doz., lbs.....	10	12
Per dozen.....	\$10.00	12.00
Case lots, doz.....	2	2
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....

Code.....	Ictideme	Ictiolite	Idalior	Idcircos	Idealize
Numbers.....	<b>30</b>	<b>40</b>	<b>60</b>	<b>80</b>	<b>100</b>
Quarts.....	3	4	6	8	108
Inches.....	6¼x5¼	7x6	8¼x6¼	8¼x7½	9½
Weight per doz., lbs.....	15	18	25	33	93x
Per dozen.....	\$15.00	18.00	24.00	30.00	36.00
Case lots, doz.....	1	1	1	1	1
Weight per case, lbs.....	60	70	80	90	100¼
Shipping measure per case, cubic feet.....	5	6¼	8¾	10¾	12¾½



# COVERED SEAMLESS SOUP STOCK POTS.

HEAVY RETINNED WROUGHT COVERS.

Code.....	Idezzant	Identich	Idevose
Numbers.....	<b>12</b>	<b>24</b>	<b>36</b>
Gallons.....	3½	6	9
Inches.....	10½x10¼	13x11¼	15x14
Weight each, lbs.....	7¼	14	21
Each.....	\$7.00	9.00	11.00
Case lots, dozen.....	½	½	½
Weight per case, lbs.....	50	85	110
Ship. meas. per case, cu. ft.....	5¼	7¾	11¼

## COVERED SEAMLESS SOUP STOCK POTS.

RETINNED COVERS. STRAINERS AND 1-INCH  
BRASS FAUCETS.

Code.....	Idiopath	Idleplate	Idolares
Numbers.....	<b>112</b>	<b>124</b>	<b>136</b>
Gallons.....	3½	6	9
Inches.....	10½x10¼	13x11¾	15x14
Weight each, lbs.....	10	17	22
Each.....	\$7.00	9.00	11.00
Case lots, doz.....	⅓	⅓	⅓
Weight per case, lbs.....	60	100	125
Shipping meas. case, cu. ft.....	5¼	7½	11½

1-inch Brass Faucets, \$2.00 each extra, net.



## COFFEE URNS OR SOUP STOCK POTS.

TIN COVERS. ⅝-INCH FAUCETS.

Code.....	Idolavam	Idolere	Idolesse
Numbers.....	<b>15</b>	<b>25</b>	<b>35</b>
Gallons.....	3	6	9
Inches.....	10½x10½	11½x13¼	13½x19¾
Weight per doz., lbs.....	54	84	220
Per dozen.....	\$48.00	72.00	96.00
Case lots, doz.....	⅓	⅓	⅓
Weight per case, lbs.....	30	40	65
Ship. meas. per case, cu. ft.....	2¼	4¾	7¼

⅝-inch Brass Faucets, \$1.50 each extra, net.



## COVERED SEAMLESS STOVE POTS.

FLAT BOTTOMS. ENAMELED COVERS.

Code.....	Idolozino	Idragoge	Idrofobe	Idromanze
Numbers.....	<b>606</b>	<b>607</b>	<b>608</b>	<b>609</b>
Quarts.....	6	9	14	18
Inches.....	8x7¾	9¼x9	10½x9¼	12x10½
Wt. per doz., lbs.....	33	43	53	60
Per dozen.....	\$36.00	42.00	54.00	66.00
Case lots, doz.....	1	1	1	½
Wt. per case, lbs.....	75	.....	.....	95
Ship. meas. per case, cu. ft.....	8½	.....	.....	10¾





## COVERED SEAMLESS STOVE POTS AND STEAMERS COMBINED.

TIN COVERS FIT BOTH VESSELS.

Code .....	Igelfish	Ignorom	Igualice	Igualito
Numbers .....	<b>806</b>	<b>807</b>	<b>808</b>	<b>809</b>
Inside vessel, quarts.....	4	7	11	15
Inches .....	8x10	9¼x10½	10½x10¾	12x12
Weight per doz., lbs.....	48	60	84	108
Per dozen.....	\$42.00	54.00	72.00	90.00
Case lots, doz.....	1	1	½	½
Weight per case, lbs.....	.....	.....	90	110
Shipping measure per case, cubic feet.....	.....	.....	8⅝	11¼

## SEAMED, STRAIGHT POTS OR CUPS.

WITH ONE SIDE HANDLE.



Code.....	Igualment	Igualnose	Igualpast
Numbers .....	<b>016</b>	<b>018</b>	<b>020</b>
Quarts .....	3	4	6
Inches .....	6½x5½	7½x6	8¼x6½
Weight per doz., lbs.....	10	13	16
Per dozen .....	\$11.00	13.00	15.00
Case lots, doz.....	4	3	3
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft.	.....	.....	.....

**SEAMED STRAIGHT POTS.**

WITH TWO SIDE HANDLES.

Code .....	Illioses	Illabate	Illaberi
Numbers.....	<b>022</b>	<b>024</b>	<b>026</b>
Quarts .....	8	10	12
Inches .....	9 $\frac{1}{8}$ x 6 $\frac{7}{8}$	9 $\frac{7}{8}$ x 7 $\frac{3}{4}$	10 $\frac{1}{2}$ x 8 $\frac{1}{2}$
Weight per doz., lbs.....	25	33	40
Per dozen.....	\$18.00	21.00	24.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	65	92	115
Ship. meas. per case, cu. ft.	8 $\frac{1}{2}$	9 $\frac{1}{4}$	11
Code .....	Illacrimo	Illaidir	Illapsore
Numbers.....	<b>028</b>	<b>030</b>	<b>032</b>
Quarts .....	16	18	24
Inches .....	11 $\frac{3}{4}$ x 9 $\frac{1}{4}$	12 $\frac{3}{4}$ x 10	12 $\frac{1}{2}$ x 10 $\frac{1}{4}$
Weight per doz., lbs.....	44	53	64
Per dozen.....	\$30.00	33.00	39.00
Case lots, doz.....	1	1	$\frac{1}{2}$
Weight per case, lbs.....	122	130	150
Ship. meas. per case, cu. ft.	13 $\frac{1}{2}$	16 $\frac{1}{2}$	10 $\frac{1}{2}$

**SAUCERS.**

Code .....	Illatrand	Illazion	Illectis
Numbers.....	<b>1</b>	<b>1 <math>\frac{1}{2}</math></b>	<b>2</b>
Inches.....	5 $\frac{3}{4}$ x 3 $\frac{3}{4}$	6 $\frac{1}{8}$ x 7 $\frac{7}{8}$	6 $\frac{3}{4}$ x 1
Weight per doz, lbs.....	2	3	4
Per dozen.....	\$3.00	3.25	3.50
Case lots, doz.....	12	12	12
Weight per case, lbs.....	35	50	65
Shipping meas. per case, cu. ft...	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$

**DRUGGISTS' SCOOPS.**

Code .....	Illepede
Number .....	<b>112</b>
Inches.....	3 x 5 $\frac{1}{2}$
Weight per doz., lbs.....	1 $\frac{1}{2}$
Per dozen.....	\$3.50
Case lots, doz.....	12
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet .....	.....



# THUMB SCOOPS.



Code.....	Illepidor	Illfate
Numbers .....	1	2
Inches.....	6x3 1/4	7 1/4 x 3 1/4
Weight per doz , lbs.....	1 1/4	4 1/2
Per dozen .....	\$4.50	5.00
Case lots, doz.....	12	12
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet. ....	.....	.....

# SEAMLESS COVERED SCOOPS.



Code.....	Illibade	Illicard	Illicit	Illidont
Numbers .....	62	63	64	65
Inches.....	5 1/4 x 4	7 1/4 x 4 1/4	8 x 5 1/4	10 x 6 1/2
Weight per doz., lbs	6	9	12	18
Per dozen .....	\$15.00	18.00	21.00	27.00
Case lots, doz.....	3	3	3	3
Weight per case, lbs.	.....	.....	.....	.....
Shipping measure per } case, cubic feet..... }	.....	.....	.....	.....

# GROCERS' SCOOPS.



Code.....	Illigamo	Illiganter	Illigassi
Numbers .....	3	4	5
Inches.....	5 1/2 x 8	6 1/2 x 9 1/4	7 1/4 x 11
Weight per doz., lbs.....	7	9	12
Per dozen .....	\$12.00	13.00	15.00
Case lots, doz.....	3	3	3
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet... ..	.....	.....	.....



# FLAT SKIMMERS.

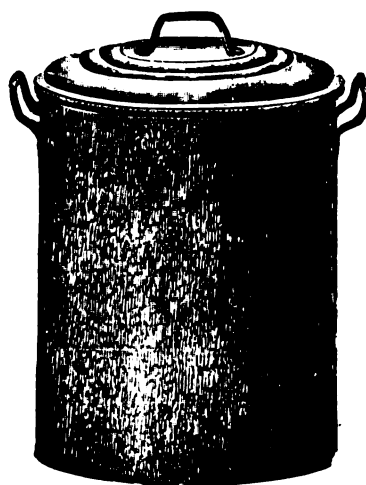
Code.....	Illigaver	Illimited	Illiserum	Illisito	Illjudge
Numbers .....	9	10	11	12	13
Diameter, in.....	4	4 3/8	4 3/4	5	5 1/8
Weight per doz., lbs.	4 1/2	5 1/2	6 3/4	6 3/4	7
Per dozen .....	\$3.25	3.50	3.75	4.00	4.50
Case lots, doz...	12	12	12	12	12
Wt. per case, lbs....	.....	.....	.....	.....	.....
Shipping measure per } case, cubic feet.... }	.....	.....	.....	.....	.....

**THREADED BASTING SPOONS.**

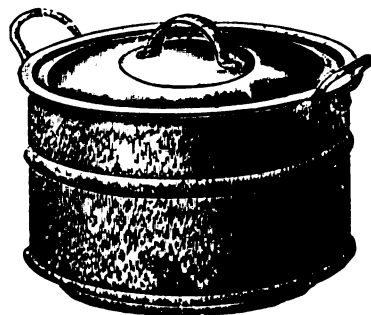
Code .....	Illomene	Illstar	Illtime	Illudendo	Illuminate	Imagine
Inches .....	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>
Weight per doz., lbs.....	2¾	3	3¾	3¾	4½	5½
Per dozen.....	\$2.75	3.00	3.50	4.00	4.50	5.50
Case lots, doz.....	12	12	12	12	12	12
Weight per case, lbs.....	45	49	52	60	69	81
Shipping measure per case, cubic feet.....	1	1	1	1½	1¾	1¾

**FLOUR, SUGAR, OR LARD STANDS.****TIN COVERS.**

Code .....	Imanabar	Imantaba	Imantest
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
Gallons .....	3	6	9
Capacity, lbs .....	15	25	50
Inches .....	10½x10½	11½x13½	13½x19¾
Weight per doz., lbs...	17	28	55
Per dozen.....	\$48.00	72.00	96.00
Case lots, doz.....	½	½	½
Weight per case, lbs...	70	85	130
Shipping measure per case, cubic feet.....	8	10½	19½

**STEAMERS.****ENAMELED COVERS.**

Code.....	Imbacatur	Imbachiam
Numbers .....	<b>70</b>	<b>80</b>
Diameter of pit, inches.....	7	8
Weight per doz., lbs.....	27	33
Per dozen .....	\$27.00	30.00
Case lots, doz.....	1	1
Weight per case, lbs .....	.....	.....
Shipping measure per case, cubic ft. ....	.....	.....

**SEAMLESS TEA STEEPERS.****TIN COVERS.**

Code.....	Imbagnio
Number.....	<b>1</b>
Pints.....	1½
Inches.....	4¾x3½
Weight per doz., lbs .....	7
Per dozen .....	\$9.00
Case lots, doz.....	3
Weight per case, lbs.....	42
Shipping measure per case, cubic feet.....	2







## SEAMLESS TEA STEEPERS.

### ENAMELED COVERS.

Code.....	Imbaldir
Number .....	11
Pints .....	1½
Inches.....	4¾x3¾
Weight per doz., lbs.....	7
Per dozen .....	\$11.00
Case lots, doz.....	3
Weight per case, lbs.....	42
Shipping measure per case, cubic feet.....	2



## OVAL SOUP TUREENS.

### ENAMELED COVERS.

Code.....	Imbaliat	Imballot	Imbambo	Imbarder	Imbasack
Numbers .....	20	30	40	50	60
Quarts.....	4	6	8	10	13
Weight per doz., lbs.	27	33	45	55	69
Per dozen .....	\$45.00	51.00	57.00	63.00	78.00
Case lots, doz...	1	1	½	½	½
Weight per case, lbs.	70	80	55	65	80
Shipping measure per case, cubic feet....	5½	8½	6¾	7½	9



## SEAMLESS OVAL SOUP TUREENS.

### ENAMELED COVERS. PLANISHED STANDS AND WATER PANS. PLATED FAUCETS.

Code.....	Imbastiam	Imbatter	Imbavere	Imbechi
Numbers .....	300	400	500	600
Quarts.....	6	8	10	13
Weight each, lbs.....	6	7	11	14
Each .....	\$19.00	21.00	24.00	27.00
Case lots, doz.....	½	½	½	½
Weight per case, lbs.	.....	.....	.....	.....
Shipping measure per case, cubic feet .....	.....	.....	.....	.....



## SECTION 18.

### ROYAL ENAMELED STEEL WARE.



HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK.

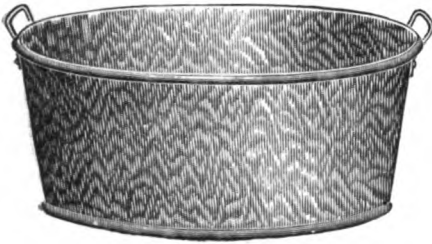
## ROYAL ENAMELED STEEL WARE.

This ware leads as a moderate priced Mottled Gray Enameled Steel Ware. The line embraces a large variety of styles and sizes that are uniform as to shape, quality and mottling.

In ordering these goods by telegraph it is only necessary to use the code word over the number of the article wanted preceded by words from code in the front of this book.

EXAMPLE:—Crasistas acicales each impestian inardesco.

TRANSLATION:—Ship by railroad immediately three and one-half dozen each number twenty-eight Royal Wash Bowls and twenty-five Royal Cups..



### 

Code.....	Imbecillo	Imbellis	Imbender	Imberbes
Numbers.....	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
Inches.....	16x13x6½	17x14x7	18x15¼x7¼	20x16¼x9
Wt. per doz., lbs.	36	40½	42	56
Per dozen....	\$27.00	33.00	36.00	39.00
Case lots, doz....	1	1	1	1
Wt. per case, lbs.	55	67	75	90
Ship. meas. per case, cu. ft....	5	5½	5½	6½

### 

TIN TOPS AND COVERS. HOLLOW ENAMELED STEEL HANDLES.



Code.....	Imbestion	Imbiancho	Imbibame
Numbers.....	<b>00</b>	<b>010</b>	<b>020</b>
Quarts.....	1	1½	2
Diameter, inches.....	4¾	5	5¾
Weight per doz., lbs.....	12	15	18
Per dozen.....	\$18.00	21.00	24.00
Case lots, doz.....	3	2	2
Weight per case, lbs.....	50	52	55
Ship. meas. per case, cu. ft.	10	7¾	8¼

Code.....	Imbiber	Imbionda	Imbolate
Numbers.....	<b>080</b>	<b>040</b>	<b>050</b>
Quarts.....	3	4	5
Diameter, inches.....	6¼	7	7¾
Weight per doz., lbs.....	21	24	27
Per dozen.....	\$27.00	30.00	33.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	57	60	65
Ship. meas. per case, cu. ft.	6	6¾	7½

### 

TIN TOPS AND COVERS. ENAMELED WOOD HANDLES.



Code.....	Imbolsir	Imboniro	Imborgar
Numbers.....	<b>100</b>	<b>101½</b>	<b>102</b>
Quarts.....	1	1½	2
Diameter, inches.....	4¾	5	5¾
Weight per doz., lbs.....	12	15	18
Per dozen.....	\$22.00	25.00	28.00
Case lots, doz.....	3	2	2
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft..	10	7¾	8¼

Code.....	Imborsate	Imbovine	Imbranchi
Numbers.....	<b>103</b>	<b>104</b>	<b>105</b>
Quarts.....	3	4	5
Diameter, inches.....	6¼	7	7¾
Weight per doz., lbs.....	21	24	27
Per dozen.....	\$31.00	34.00	37.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft..	6	6¾	7½

**COFFEE BOILERS.**

## TIN COVERS. FLAT BOTTOMS.

Code.....	Imbrevit	Imbricate	Imbrodiam
Numbers .....	<b>50</b>	<b>55</b>	<b>60</b>
Quarts.....	3	4	5
Diameter, inches.....	6	7	8
Weight per doz., lbs.....	18	20	22
Per dozen.....	<b>\$20.00</b>	<b>23.00</b>	<b>26.00</b>
Case lots, doz.....	2	2	1
Weight per case, lbs.....	.....	.....	51
Ship. meas. per case, cu. ft..	.....	.....	5 $\frac{1}{6}$

Code.....	Imbrodole	Imbrofere	Imbrown	Imbrunere
Numbers .....	<b>70</b>	<b>80</b>	<b>90</b>	<b>100</b>
Quarts.....	6	8	11	14
Diameter, inches.....	8 $\frac{1}{2}$	9 $\frac{1}{2}$	10 $\frac{1}{2}$	11 $\frac{1}{2}$
Weight per doz., lbs..	28	36	40	44
Per dozen.....	<b>\$29.00</b>	<b>32.00</b>	<b>38.00</b>	<b>54.00</b>
Case lots, doz.....	1	1	1	$\frac{1}{2}$
Wt. per case, lbs.....	64	79	100	59
Ship. meas. per case, cu. ft.	7 $\frac{2}{3}$	8 $\frac{1}{2}$	12 $\frac{1}{4}$	6 $\frac{1}{3}$

**COFFEE BOILERS.**

## ENAMELED COVERS. FLAT BOTTOMS.

Code.....	Imbrute	Imbullet	Imburse
Numbers.....	<b>501</b>	<b>551</b>	<b>601</b>
Quarts.....	3	4	5
Diameter, inches.....	6	7	8
Weight per doz., lbs.....	18	20	22
Per dozen.....	<b>\$22.00</b>	<b>25.00</b>	<b>28.00</b>
Case lots, doz.....	2	2	1
Weight per case, lbs.....	.....	.....	51
Shipping meas. per case, cu. ft...	.....	.....	5 $\frac{1}{6}$



Code.....	Imbustid	Imigidor	Imispero	Imitacam
Numbers.....	<b>701</b>	<b>801</b>	<b>901</b>	<b>1001</b>
Quarts.....	6	8	11	14
Diameter, inches.....	8 $\frac{1}{2}$	9 $\frac{1}{2}$	10 $\frac{1}{2}$	11 $\frac{1}{2}$
Weight per doz., lbs.....	28	36	40	44
Per dozen.....	<b>\$31.00</b>	<b>35.00</b>	<b>41.00</b>	<b>60.00</b>
Case lots, doz.....	1	1	1	$\frac{1}{2}$
Weight per case, lbs.....	64	79	100	59
Shipping measure per case, cubic feet.....	7 $\frac{2}{3}$	8 $\frac{1}{2}$	12 $\frac{1}{4}$	6 $\frac{1}{3}$

# FISH BOILERS.

WITH BAILS. ENAMELED COVERS AND DRAINERS.



Code.....	Imitando	Imitatori	Immacolir	Immademo	Immalvato
Numbers ...	<b>8161</b>	<b>8181</b>	<b>8201</b>	<b>8221</b>	<b>8241</b>
Inches.....	16	18	20	22	24
Weight per doz., lbs.. }	54	66	90	111	132
Per dozen...	\$72.00	81.00	90.00	99.00	108.00
Case lots, doz...	½	½	½	½	½
Weight per case, lbs.. }	45	59	81	103	130
Ship. meas. per case, cu. ft... }	4	5¼	8¾	10¾	12¾

# MILK OR RICE BOILERS.

TIN COVERS.



Code.....	Immanite	Immansuit	Immarcir
Numbers.....	<b>14</b>	<b>16</b>	<b>18</b>
Inside boilers, quarts.....	1	1½	1¾
Inches.....	6	6½	7
Weight per doz., lbs.....	20	22	24
Per dozen.....	\$20.00	24.00	27.00
Case lots, doz.....	2	2	1
Weight per case, lbs.....	60	70	47
Ship. meas. per case, cu. ft..	8½	8¾	6¼

Code.....	Immascher	Immattin	Immature	Immeglior	Immemori	Immeren
Numbers.....	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>36</b>
Inside boilers, quarts.....	2	2¾	3½	4½	6	8½
Inches.....	8	8¾	9½	10¼	11	11¾
Weight per doz., lbs.....	28	33	37	46	56	66
Per dozen.....	\$30.00	36.00	42.00	48.00	54.00	72.00
Case lots, doz.....	1	1	1	½	½	½
Weight per case, lbs.....	72	72	76	65	70	76
Shipping measure per case, cubic feet.....	7¼	8¼	9½	6¼	7½	8½

# MILK OR RICE BOILERS.

ENAMELED COVERS.



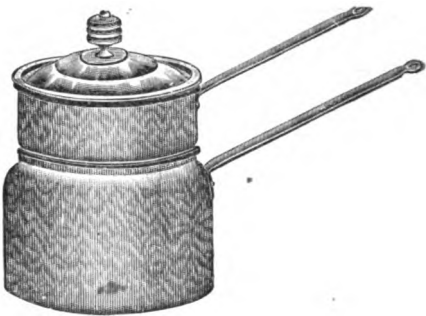
Code.....	Immerfor	Immergent	Immerse
Numbers.....	<b>141</b>	<b>161</b>	<b>181</b>
Inside boilers, quarts.....	1	1½	1¾
Inches.....	6	6½	7
Weight per doz., lbs.....	20	22	24
Per dozen.....	\$22.00	26.00	30.00
Case lots, doz.....	2	2	1
Weight per case, lbs.....	60	70	47
Ship. meas. per case, cu. ft..	8½	8¾	6¼

Code.....	Immersist	Immigrab	Imminent	Immision	Immittend	Immobile
Numbers.....	<b>201</b>	<b>221</b>	<b>241</b>	<b>261</b>	<b>281</b>	<b>361</b>
Inside boilers, quarts.....	2	2¾	3½	4½	6	8½
Inches.....	8	8¾	9½	10¼	11	11¾
Weight per doz., lbs.....	28	33	37	46	56	66
Per dozen.....	\$33.00	39.00	46.00	52.00	58.00	76.00
Case lots, doz.....	1	1	1	½	½	½
Weight per case, lbs.....	72	72	76	65	70	76
Shipping measure per case, cubic feet.....	7¼	8¼	9½	6¼	7½	8½

MILK OR RICE BOILERS.

TIN COVERS. SEAMLESS.

Code.....	Immoland	Immolate
Numbers.....	<b>52</b>	<b>53</b>
Inside boiler, quarts.....	1½	2
Inches.....	6x5	6½x6
Weight per doz., lbs.....	21	30
Per dozen.....	\$22.00	28.00
Case lots, doz.....	2	2
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet..	6¾	8¾

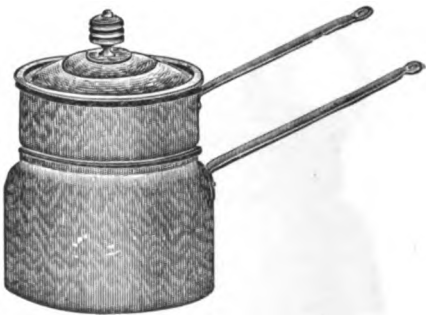


Code.....	Immondice	Immortale	Immortus	Immulse
Numbers.....	<b>54</b>	<b>56</b>	<b>57</b>	<b>58</b>
Inside boiler, quarts.....	2½	4	5	6
Inches.....	7¾x7¼	8x8	9x8½	10¼x9¼
Weight per doz., lbs.....	39	41	45	60
Per dozen.....	\$36.00	45.00	51.00	60.00
Case lots, doz.....	1	1	1	½
Weight per case, lbs.....	75	110	150	80
Shipping measure per case, cubic feet.....	6¼	8½½	10	6½

MILK OR RICE BOILERS.

ENAMELED COVERS. SEAMLESS.

Code.....	Immundit	Immutasse
Numbers.....	<b>521</b>	<b>531</b>
Inside boiler, quarts.....	1½	2
Inches.....	6x5	6½x6
Weight per doz., lbs.....	21	30
Per dozen.....	\$24.00	31.00
Case lots, doz.....	2	2
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic ft ..	6¼	8¾



Code.....	Impacator	Impaction	Impadula	Impagin
Numbers.....	<b>541</b>	<b>561</b>	<b>571</b>	<b>581</b>
Inside boiler, quarts.....	2½	4	5	6
Inches.....	7¾x7¼	8x8	9x8½	10¼x9¼
Weight per doz., lbs.....	39	41	45	60
Per dozen.....	\$40.00	49.00	57.00	66.00
Case lots, doz.....	1	1	1	½
Weight per case, lbs.....	75	110	150	80
Shipping measure per case, cubic feet.....	6¼	8½½	10	6½



### SEAMLESS BOWLS.



Code.....	Impaired	Impalcate	Impalchin	Impalles
Numbers.....	<b>9</b>	<b>10</b>	<b>12</b>	<b>14</b>
Quarts.....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$
Inches.....	$4\frac{1}{2} \times 2\frac{1}{4}$	$5 \times 2\frac{1}{4}$	$6 \times 2\frac{3}{4}$	$6\frac{1}{2} \times 3\frac{1}{4}$
Wt. per doz., lbs..	.....	3	4	5
Per dozen.....	\$4.00	4.50	5.25	6.00
Case lots, doz.....	12	12	12	6
Wt. per case, lbs..	.....	.....	.....	.....
Shipping measure per / case, cubic feet ... }	$3\frac{1}{2}$	$3\frac{3}{4}$	4	$2\frac{1}{12}$

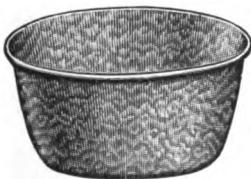
Code.....	Impanire	Imparite	Impartimo	Impassive	Impedate	Impedient	Impellen	Impende
Numbers.....	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>
Quarts.....	2	$2\frac{1}{2}$	3	4	5	6	$7\frac{1}{2}$	10
Inches.....	$7 \times 3\frac{1}{2}$	$7\frac{3}{4} \times 3\frac{1}{2}$	$8\frac{1}{2} \times 3\frac{3}{4}$	$9 \times 4$	$9\frac{3}{4} \times 4\frac{1}{4}$	$11 \times 5$	$11\frac{1}{4} \times 5\frac{1}{2}$	$12 \times 6$
Weight per doz., lbs.....	7	7	$9\frac{1}{2}$	$9\frac{1}{2}$	12	16	18	24
Per dozen.....	\$6.75	7.50	8.50	10.00	12.00	14.00	16.00	18.00
Case lots, doz.....	6	6	6	6	6	6	6	6
Weight per case, lbs.....	.....	.....	.....	.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	3	$3\frac{1}{2}$	$3\frac{3}{4}$	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6

### SOUP BOWLS.



Code.....	Impensor
Number.....	<b>125</b>
Inches.....	$5\frac{3}{4} \times 2\frac{3}{4}$
Weight per doz., lbs.....	$4\frac{1}{2}$
Per dozen.....	\$6.00
Case lots, doz.....	12
Weight per case, lbs.....	90
Shipping measure per case, cubic feet.....	$2\frac{7}{12}$

### SOUP BOWLS.



Code.....	Imperabor
Number.....	<b>150</b>
Inches.....	$6 \times 2\frac{3}{4}$
Weight per doz., lbs.....	$5\frac{1}{2}$
Per dozen.....	\$6.00
Case lots, doz.....	12
Weight per case, lbs.....	90
Shipping measure per case, cubic feet.....	$2\frac{7}{12}$

### SUGAR BOWLS.



Code.....	Imperite	Imperpetu
Numbers.....	<b>20</b>	<b>30</b>
Inches.....	$3\frac{3}{4} \times 3\frac{1}{2}$	$4\frac{1}{2} \times 4\frac{3}{8}$
Weight per doz., lbs.....	$6\frac{3}{4}$	9
Per dozen.....	\$14.50	16.00
Case lots, doz.....	3	3
Weight per case, lbs.....	53	65
Shipping measure per case, cubic feet.....	$3\frac{1}{4}$	7

**WASH BOWLS.**

WITH EYELETS.

Code .....	Impervio	Impessol
Numbers.....	<b>24</b>	<b>26</b>
Inches.....	9½	10½
Weight per doz., lbs.....	8	9
Per dozen.....	\$6.00	7.00
Case lots, doz.....	12	12
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....



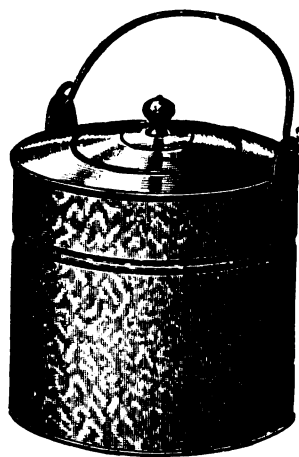
Code .....	Impestiam	Impianter	Impidose	Impigero	Impigner
Numbers.....	<b>28</b>	<b>30</b>	<b>32</b>	<b>34</b>	<b>36</b>
Inches.....	11½	12¼	13	14	15
Weight per doz., lbs.....	10	11	12	13½	15¼
Per dozen.....	\$8.00	9.00	11.00	13.00	15.00
Case lots, doz.....	6	6	6	6	6
Weight per case, lbs.....	82	85	92	102	116
Shipping measure per case, cubic feet.....	2⅓	2⅞	2⅝	3⅞	3¾

**COVERED BUCKETS.**

TIN COVERS. SEAMED.

Code .....	Impinged	Implacable
Numbers.....	<b>19</b>	<b>21</b>
Quarts.....	½	1
Inches.....	4x2¾	5x3½
Weight per doz., lbs.....	4	5
Per dozen.....	\$7.00	8.00
Case lots, doz.....	6	6
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	.....	8⅞

Code .....	Impleture	Implichin
Numbers.....	<b>21½</b>	<b>22</b>
Quarts.....	1½	2
Inches.....	5½x4¾	6x4¼
Weight per doz., lbs.....	7	9
Per dozen.....	\$9.00	10.00
Case lots, doz.....	6	3
Weight per case, lbs.....	.....	71
Shipping measure per case, cubic feet.....	9	9½



Code.....	Implorate	Imponitor	Imporchin	Importado	Importon	Imposame
Numbers.....	<b>23</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>
Quarts.....	3	4	6	8	10	12
Inches.....	6¾x5½	7½x6	8¾x6¾	9¼x7½	9½x9¾	10¾x9¾
Weight per doz., lbs.....	12	15	24	28	30	36
Per dozen.....	\$12.00	15.00	18.00	22.00	27.00	33.00
Case lots, doz.....	2	2	2	1	1	1
Weight per case, lbs.....	64	81	92	64	88	90
Shipping measure per case, cubic feet.....	6	10⅓	12	8	9⅓	9⅞

# COVERED BUCKETS.

TIN COVERS. SEAMLESS.

Code.....	Impoti	Impregon
Numbers.....	<b>50</b>	<b>150</b>
Quarts.....	$\frac{1}{2}$	1
Inches.....	$4 \times 2\frac{1}{2}$	$5\frac{1}{2} \times 3\frac{1}{2}$
Weight per doz., lbs.....	4	5
Per dozen.....	\$8.00	10.00
Case lots, doz.....	6	6
Weight per case, lbs.....		
Shipping measure per case, cubic feet.....		$8\frac{1}{2}$
Code.....	Imprests	Improvise
Numbers.....	<b>250</b>	<b>350</b>
Quarts.....	2	3
Inches.....	$6 \times 4$	$7 \times 4\frac{1}{2}$
Weight per doz., lbs.....	9	12
Per dozen.....	\$12.00	15.00
Case lots, doz.....	3	2
Weight per case, lbs.....	71	64
Shipping measure per case, cubic feet.....	$9\frac{1}{2}$	6



Code.....	Imprudent	Imprunis	Impubero	Impudicit	Impugn
Numbers.....	<b>450</b>	<b>650</b>	<b>850</b>	<b>1050</b>	<b>1250</b>
Quarts.....	4	6	8	10	12
Inches.....	$7\frac{1}{2} \times 5\frac{1}{8}$	$8\frac{1}{2} \times 6$	$9\frac{1}{4} \times 6\frac{1}{4}$	$10\frac{1}{4} \times 7\frac{1}{2}$	$11\frac{1}{2} \times 8\frac{1}{4}$
Weight per doz., lbs.....	15	24	28	30	36
Per dozen.....	\$18.00	24.00	30.00	36.00	42.00
Case lots, doz.....	2	2	1	1	1
Weight per case, lbs.....	81	92	70	88	90
Shipping measure per case, cubic feet.....	$10\frac{1}{3}$	12	8	$9\frac{1}{3}$	$9\frac{5}{8}$

# OBLONG DINNER BUCKETS.

WITH COFFEE FLASK IN COVER. PIE TRAY AND CUP. PATENTED SELF-LOCKING BAIL.

Code.....	Impunide	Impunity	Impure
Numbers.....	<b>11</b>	<b>12</b>	<b>13</b>
Inches.....	$8 \times 5$	$8\frac{3}{4} \times 6$	$9 \times 6\frac{1}{2}$
Weight per doz., lbs.....	21	27	30
Per dozen.....	\$39.00	45.00	51.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....			
Ship. meas. per case, cu. ft....	5	$5\frac{1}{3}$	6



# SLOP BUCKETS.

TIN COVERS.

Code.....	Impusist
Number.....	<b>12</b>
Quarts.....	12
Inches.....	$10\frac{3}{8} \times 10\frac{1}{4}$
Weight per doz., lbs.....	40
Per dozen.....	\$42.00
Case lots, doz.....	1
Weight per case, lbs.....	105
Shipping measure per case, cubic feet.....	10



**SAVE-ALL CANDLESTICKS.**

Code.....	Imputate
Number.....	<b>2</b>
Inches.....	5½
Weight per doz. lbs.....	3
Per dozen .....	\$5.00
Case lots, doz.....	6
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet .....	.....

**CHAMBERS.**

Code.....	Imputreco	Inabita	Inabrupt	Inaccent
Numbers .....	<b>1</b>	<b>1½</b>	<b>2</b>	<b>3</b>
Inches.....	7¾ x 4½	9¾ x 4½	10¾ x 5½	10½ x 5½
Weight per doz., lbs.	9	13	15	17
Per dozen .....	\$12.00	15.00	18.00	18.00
Case lots, doz.....	2	2	2	2
Weight per case, lbs.	46	59	65	69
Ship. meas. per case, cu. ft.	6½½	8½½	8½	8½

**CHAMBER COVERS.**

Code.....	Inaccess	Inactive	Inafecto	Inagrim
Numbers .....	<b>1</b>	<b>1½</b>	<b>2</b>	<b>3</b>
Weight per doz., lbs....	3	7	7½	8
Per dozen .....	\$5.00	6.00	7.00	8.00
Case lots, doz.....	6	6	6	6
Weight per case, lbs....	.....	.....	.....	.....
Shipping meas. per case, cu. ft.	.....	.....	.....	.....

**COLANDERS.****SEAMED.**

Code .....	Inalade	Inalbate	Inalberem
Numbers .....	<b>1</b>	<b>2</b>	<b>3</b>
Inches .....	10	11	12
Weight per doz., lbs.....	11	12	12½
Per dozen.....	\$9.00	12.00	18.00
Case lots, doz.....	3	3	3
Weight per case, lbs.....	65	70	75
Ship. meas. per case, cu. ft...	4½	5¼	5½½

**COLANDERS.****SEAMLESS.**

Code .....	Inalidar	Inamidate	Inapertis	Inaptido
Numbers .....	<b>104</b>	<b>205</b>	<b>306</b>	<b>407</b>
Inches .....	10	10½	11½	13
Wt. per doz., lbs....	8	10	15	23
Per dozen.....	\$10.00	12.00	15.00	18.00
Case lots, doz.....	3	3	3	3
Wt. per case, lbs....	45	55	60	75
Ship. meas. per case, cu. ft.	4¼	4¾	4¾	5





## BABY FOOD CUPS.

TIN COVERS. SEAMLESS.

Code.....	Inaratis	Inarches
Numbers .....	<b>81</b>	<b>82</b>
Pints .....	1½	2
Inches .....	4¾	4¾
Weight per doz., lbs.....	6	8
Per dozen .....	\$9.00	10.00
Case lots, doz.....	3	3
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet...	.....	.....

## ANT CUPS.

When filled with liquid and placed under the feet of tables, meat safes, etc., will effectually keep ants off.



Code .....	Inarchiam
Number .....	<b>80</b>
Inches .....	4½x1½
Weight per doz., lbs.....	3½
Per dozen.....	\$6.00
Case lots, doz.....	12
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

## PIECED CUPS.



Code .....	Inardesco	Inardisti
Numbers .....	<b>25</b>	<b>85</b>
Pints .....	1	1½
Inches .....	3¾x2¾	4¾x3¾
Weight per doz., lbs.....	3	5
Per dozen.....	\$4.00	5.50
Case lots, doz.....	6	6
Weight per case, lbs.....	40	59
Shipping measure per case, cubic feet...	5¼	5¾

## DRINKING CUPS.

DEEP.



Code.....	Inargent	Inarpicar	Inasinite	Inaspecto	Inassortim
Numbers.....	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
Pints .....	½	¾	1	1¼	1½
Inches .....	3¾x2	3¾x2¼	4½x2¾	4¾x2¾	4¾x2¾
Wt. per doz., lbs.	1¼	1½	2	2½	3
Per dozen ...	\$3.50	3.75	4.00	4.50	5.00
Case lots, doz. ...	12	12	12	12	12
Wt. per case, lbs.	35	38	45	56	71
Shipp. meas. per case, cubic feet	2	2	2	3¼	3¼

**DRINKING CUPS.**

SEAMLESS. FLARING.

Code .....	Inattendo	Inavarine	Inboede	Inboorlin
Numbers .....	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>
Inches.....	4x2	4½x2½	5x2¼	5¼x2½
Weight per doz., lbs...	2¼	2¾	3	3
Per dozen.....	\$3.50	3.75	4.00	4.50
Case lots, doz.....	12	12	12	12
Weight per case, lbs...	37	43	50	55
Ship. measure per case, cu. ft.	3¼	3¼	3¼	3¼

**STRAIGHT CUPS.**

SEAMLESS.

Code .....	Imborge	Incalabis	Incalchie	Incalface
Numbers .....	<b>0</b>	<b>6</b>	<b>105</b>	<b>120</b>
Pints.....	½	1	1¾	2
Inches.....	3½x2½	4x2½	4¾x3¾	5½x3½
Wt. per doz., lbs...	2	3	5	5½
Per dozen .....	\$4.50	6.00	8.00	9.00
Case lots, doz.....	6	6	3	6
Wt. per case, lbs...	36	42	33	87
Shipping measure per case, cubic feet.....	3¼	3¼	3¼	7½

**MINERS' CUPS.**

Code.....	Incallist	Incalzone
Numbers .....	<b>100</b>	<b>200</b>
Quarts.....	1	1½
Inches.....	5¼x4½	6¼x5¼
Weight per doz., lbs.....	7	11
Per dozen .....	\$9.00	12.00
Case lots, doz.....	6	6
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....

**MEASURING CUPS.**

MARKED TO MEASURE QUARTERS AND THIRDS  
OF A CUP.

Code.....	Quarters Incalzum	Thirds Incamatite
Numbers .....	<b>10</b>	<b>10</b>
Pint.....	½	½
Inches.....	3x2½	3x2½
Weight per doz., lbs.....	2½	2½
Per dozen .....	\$4.50	4.50
Case lots, doz.....	12	12
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....





## SPLIT CUPS.

WITH ENAMELED COVERS.

Code.....	Incancave
Number.....	<b>115</b>
Pints.....	1½
Inches.....	4¾ x 3½
Weight per doz., lbs.....	12½
Per dozen.....	\$12.00
Case lots, doz.....	6
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....



## CUSPIDORS.

Code.....	Incandent	Incandid
Numbers.....	<b>10</b>	<b>80</b>
Inches.....	7x4	7½ x 4½
Weight per doz., lbs.....	6	9
Per dozen.....	\$9.00	15.00
Case lots, doz.....	3	3
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	7½	7½½



## CUSPIDORS.

Code.....	Incantamo	Incaparse
Numbers.....	<b>4</b>	<b>5</b>
Inches.....	6½ x 5	7¾ x 5¼
Weight per doz., lbs.....	12	14
Per dozen.....	\$14.00	16.00
Case lots, doz.....	2	2
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	7¼	7½½

## GENUINE COCOA-SHAPED DIPPERS.

WITH IMPROVED ROUND ENAMELED STEEL HANDLES.



Code.....	Incappello
Number.....	<b>055</b>
Pint.....	1
Inches.....	3½ x 3¾
Weight per doz., lbs.....	5
Per dozen.....	\$10.00
Case lots, doz.....	12
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

## GENUINE COCOA-SHAPED DIPPERS.

WITH ENAMELED WOOD HANDLES.

Code.....	Incapesto
Number.....	<b>55</b>
Pint.....	1
Inches.....	3½ x 3½
Weight per doz., lbs.....	5
Per dozen.....	<b>\$10.00</b>
Case lots, doz.....	12
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

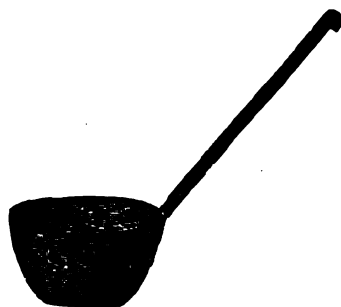


## CUP DIPPERS.

FLAT HANDLES.

Code.....	Incapface	Incapondi	Incarnade
Numbers.....	<b>8</b>	<b>9</b>	<b>10</b>
Inches.....	3½ x 2	3¾ x 2¼	4¼ x 2¾
Weight per doz., lbs.....	3½	4	4½
Per dozen.....	<b>\$4.50</b>	5.00	6.00
Case lots, doz.....	12	12	12
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic ft.....	.....	.....	.....

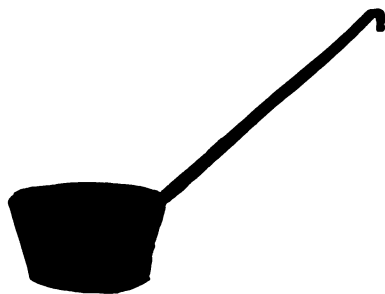
Code.....	Incarnot	Incartege
Numbers.....	<b>11</b>	<b>12</b>
Inches.....	4¾ x 2¾	4¾ x 2¾
Weight per doz., lbs.....	5	5½
Per dozen.....	<b>\$7.00</b>	8.00
Case lots, doz.....	12	12
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....



## FLARING DIPPERS.

FLAT HANDLES.

Code.....	Incassem	Incastel	Incastro	Incavalch
Numbers.....	<b>010</b>	<b>011</b>	<b>012</b>	<b>018</b>
Inches.....	4¼ x 2¼	4¼ x 2½	5 x 2¾	5½ x 3
Weight per doz., lbs.....	4	5	5½	6
Per dozen.....	<b>\$5.00</b>	5.50	6.00	7.00
Case lots, doz.....	12	12	12	12
Weight per case, lbs.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....



## "WINDSOR" DIPPERS.

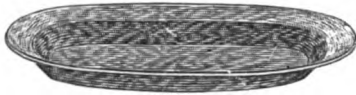
IMPROVED ROUND ENAMELED HANDLES.

Code.....	Incavant	Incavisse	Incedero
Numbers.....	<b>110</b>	<b>112</b>	<b>114</b>
Quarts.....	1	2	3
Inches.....	5 x 2¾	5¾ x 3	6 x 3¾
Weight per doz., lbs.....	8	9	11
Per dozen.....	<b>\$7.00</b>	8.00	10.00
Case lots, doz.....	6	6	6
Weight per case, lbs.....	55	70	82
Shipping measure per case, cubic feet.....	3¾	4½	5





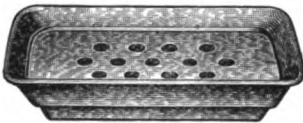
**OVAL MEAT DISHES.**



Code.....	Incelebri	Incendere	Incenerate	Incentivo
Numbers .....	<b>121</b>	<b>141</b>	<b>161</b>	<b>181</b>
Inches.....	12	14	16	18
Wt. per doz., lbs...	10½	14	16	23
Per dozen .....	\$12.00	15.00	18.00	21.00
Case lots, doz.....	6	6	6	4
Wt. per case, lbs...	.....	.....	.....	.....
Ship. meas. per case, cu. ft.	.....	.....	.....	.....

**OBLONG SOAP DISHES.**

WITH DRAINERS.



Code.....	Inceppis
Number .....	<b>50</b>
Inches .....	6x4x1½
Weight per doz., lbs.....	2½
Per dozen .....	\$7.00
Case lots, doz.....	6
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet .....	1½

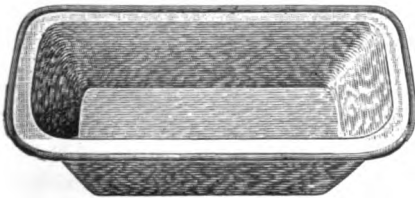
**WALL SOAP DISHES.**

WITH DRAINERS.



Code.....	Inception
Number .....	<b>60</b>
Inches.....	6½x4x1½
Weight per doz., lbs.....	3
Per dozen.....	\$6.00
Case lots, doz.....	6
Weight per case, lbs.....	40
Shipping measure per case, cubic feet.....	1½

**OBLONG PUDDING DISHES.**



Code .....	Inceptori	Incerchi	Incernat
Numbers .....	<b>10</b>	<b>11</b>	<b>12</b>
Inches.....	10¾x7½	11¾x8	12¾x8¾
Weight per doz., lbs.....	8½	10	11
Per dozen.....	\$9.00	10.00	11.00
Case lots, doz.....	6	6	4
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft...	.....	.....	.....

**COFFEE FLASKS.**

SEAMED.



Code .....	Incernimo
Number .....	<b>10</b>
Pints .....	1½
Weight per doz., lbs.....	4½
Per dozen.....	\$9.50
Case lots, doz.....	12
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

**PIECED FUNNELS.**

WITH HANDLES.

Code.....	Incertido	Incespite	Incestave
Numbers .....	<b>01</b>	<b>02</b>	<b>03</b>
Pint .....	$\frac{1}{4}$	$\frac{1}{2}$	1
Inches .....	$3\frac{3}{4}$	$4\frac{3}{4}$	$5\frac{1}{4}$
Weight per doz., lbs.....	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Per dozen .....	<b>\$6.00</b>	7.00	8.00
Case lots, doz.....	12	6	6
Weight per case, lbs.....	.....	22	.....
Ship. measure per case, cu. ft.	.....	$1\frac{1}{2}$	$1\frac{1}{2}$
Code.....	Inchadin	Inchiodar	Inchiomere
Numbers .....	<b>04</b>	<b>05</b>	<b>06</b>
Quarts.....	1	2	4
Inches .....	$6\frac{1}{4}$	$7\frac{1}{2}$	$10\frac{3}{4}$
Weight per doz., lbs.....	8	$8\frac{1}{2}$	12
Per dozen .....	<b>\$9.00</b>	12.00	15.00
Case lots, doz.....	6	6	6
Weight per case, lbs.....	.....	.....	.....
Ship. measure per case, cu. ft.	.....	.....	.....

**FRUIT JAR FILLERS.**

Code.....	Inchoare
Number.....	<b>80</b>
Inches .....	$5\frac{1}{2}$
Weight per doz., lbs.....	6
Per dozen.....	<b>\$8.00</b>
Case lots, doz.....	12
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

**HOTEL JARS.**

SEAMLESS.

Code.....	Incialdit
Number.....	<b>408</b>
Quarts.....	12
Inches .....	$11\frac{1}{4} \times 10\frac{1}{4}$
Weight per doz., lbs.....	48
Per dozen .....	<b>\$54.00</b>
Case lots, doz.....	$\frac{1}{2}$
Weight per case, lbs.....	57
Shipping measure per case, cubic feet .....	7





## BERLIN KETTLES.

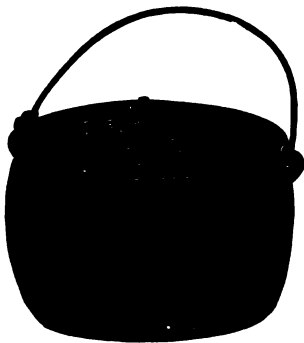
### TIN COVERS.

Code .....	Inciampo	Incidente	Incident	Incident
Numbers .....	<b>02</b>	<b>03</b>	<b>04</b>	<b>06</b>
Quarts.....	2	3	4	6
Inches.....	6x3	7x3 $\frac{7}{8}$	7 $\frac{1}{2}$ x4 $\frac{3}{4}$	8 $\frac{1}{2}$ x5
Wt. per doz., lbs...	10	12	15	18
Per dozen .....	\$10.00	13.00	16.00	20.00
Case lots, doz.....	2	2	2	1
Wt. per case, lbs...	42	47	55	49
Ship. meas. per case, cu. ft.	3 $\frac{1}{4}$	5 $\frac{1}{6}$	7	5 $\frac{1}{2}$
Code.....	Incimart	Incimure	Incintos	
Numbers .....	<b>08</b>	<b>010</b>	<b>012</b>	
Quarts.....	8	10	12	
Inches.....	9 $\frac{1}{4}$ x5 $\frac{3}{4}$	10 $\frac{1}{4}$ x6 $\frac{3}{8}$	11 $\frac{1}{4}$ x6 $\frac{3}{4}$	
Weight per doz., lbs.....	24	36	42	
Per dozen .....	\$24.00	30.00	36.00	
Case lots, doz.....	1	1	1	
Weight per case, lbs.....	65	79	98	
Ship. meas. per case, cu. ft...	8	11 $\frac{1}{2}$	12	

## BERLIN KETTLES.

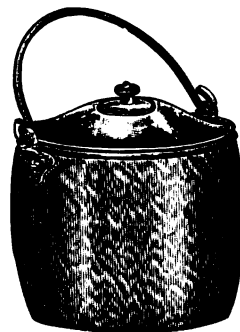
### ENAMELED COVERS.

Code.....	Incipimo	Incision	Incisure	Inciton
Numbers .....	<b>021</b>	<b>031</b>	<b>041</b>	<b>061</b>
Quarts.....	2	3	4	6
Inches.....	6x3	7x3 $\frac{7}{8}$	7 $\frac{1}{2}$ x4 $\frac{3}{4}$	8 $\frac{1}{2}$ x5
Wt. per doz., lbs...	10	12	15	24
Per dozen .....	\$13.00	16.00	19.00	24.00
Case lots, doz.....	2	2	2	2
Wt. per case, lbs...	42	47	55	49
Ship. meas. per case, cu. ft.	3 $\frac{1}{4}$	5 $\frac{1}{6}$	7	8 $\frac{1}{2}$ $\frac{1}{2}$
Code.....	Incivil	Inclamart	Inclamito	
Numbers .....	<b>081</b>	<b>0101</b>	<b>0121</b>	
Quarts.....	8	10	12	
Inches.....	9 $\frac{1}{4}$ x5 $\frac{3}{4}$	10 $\frac{1}{4}$ x6 $\frac{3}{8}$	11 $\frac{1}{4}$ x6 $\frac{3}{4}$	
Weight per doz., lbs.....	24	36	42	
Per dozen .....	\$28.00	36.00	42.00	
Case lots, doz.....	1	1	1	
Weight per case, lbs.....	65	79	98	
Ship. meas. per case, cu. ft...	8	11 $\frac{1}{2}$	12	



**CONVEX KETTLES.****TIN COVERS.**

Code.....	Inclavate	Inclinamo
Numbers.....	<b>207</b>	<b>209</b>
Quarts.....	2	3
Inches.....	6½x4½	7x4¾
Weight per doz., lbs.....	12	18
Per dozen.....	<b>\$13.00</b>	17.00
Case lots, doz.....	3	3
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....



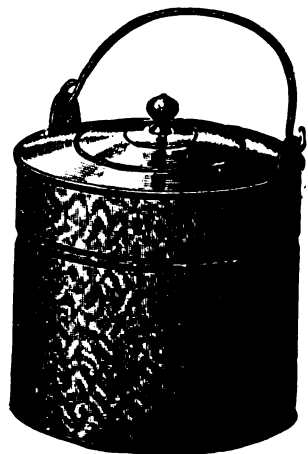
Code.....	Inclinant	Incliner	Includen	Inclusat	Inclusille	Inclyta
Numbers.....	<b>210</b>	<b>212</b>	<b>214</b>	<b>218</b>	<b>220</b>	<b>222</b>
Quarts.....	4	6	8	12	16	20
Inches.....	7½x5¼	8½x6	9½x6¾	11½x7¾	12½x8	13¾x8¾
Weight per doz., lbs.....	20	25	30	42	54	63
Per dozen.....	<b>\$21.00</b>	25.00	30.00	42.00	48.00	57.00
Case lots, doz.....	3	1	1	½	½	½
Weight per case, lbs.....	.....	65	78	58	70	83
Shipping measure per case, cubic feet.....	.....	7½	7½	7	8	9½

**CONVEX KETTLES.****ENAMELED COVERS.**

Code.....	Incoamo	Incoctile	Incogitan	Incolanter
Numbers.....	<b>2141</b>	<b>2181</b>	<b>2201</b>	<b>2221</b>
Quarts.....	8	12	16	20
Inches.....	9½x6¾	11½x7¾	12½x8	13¾x8¾
Wt. per doz., lbs.....	30	42	54	63
Per dozen.....	<b>\$34.00</b>	48.00	54.00	63.00
Case lots, doz.....	1	½	½	½
Wt. per case, lbs.....	78	58	70	83
Shipping measure per case, cubic ft. }	7½	7	8	9½

**CAMP KETTLES.****TIN COVERS. SEAMED.**

Code.....	Incolendo	Incolpar	Incolpam
Numbers.....	<b>08</b>	<b>010</b>	<b>012</b>
Quarts.....	8	10	12
Inches.....	9¼x7½	9½x9¾	10¾x9¾
Weight per doz., lbs.....	28	30	36
Per dozen.....	<b>\$22.00</b>	27.00	33.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	.....	.....	86
Shipping measure per case, cu. ft.....	8	9½	11½



# CLIMAX KETTLES.

TIN COVERS. PATENT ASBESTOS BOTTOMS.



Code.....	Incolusse
Number.....	<b>902</b>
Quarts.....	1½
Inches.....	5¼ x 3¼
Weight per doz., lbs.....	16
Per dozen.....	<b>\$15.00</b>
Case lots, doz.....	6
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

Code.....	Incoming	Incommnd	Incompert	Inconsult
Numbers.....	<b>908</b>	<b>904</b>	<b>906</b>	<b>908</b>
Quarts.....	2¾	3¾	5	7
Inches.....	6¾ x 4	8¾ x 4¼	9x5	10x5¼
Weight per doz., lbs.....	18	27	30	40
Per dozen.....	<b>\$18.00</b>	21.00	24.00	27.00
Case lots, doz.....	6	3	3	3
Weight per case, lbs.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....

# CLIMAX KETTLES.

ENAMELED COVERS. PATENT ASBESTOS BOTTOMS.



Code.....	Incontest
Number.....	<b>9021</b>
Quarts.....	1½
Inches.....	5¼ x 3¼
Weight per doz., lbs.....	16
Per dozen.....	<b>\$17.00</b>
Case lots, doz.....	6
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

Code.....	Incontrite	Incorage	Incordine	Incorride
Numbers.....	<b>9081</b>	<b>9041</b>	<b>9061</b>	<b>9081</b>
Quarts.....	2¾	3¾	5	7
Inches.....	6¾ x 4	8¾ x 4¼	9x5	10x5¼
Weight per doz., lbs.....	18	27	30	40
Per dozen.....	<b>\$21.00</b>	24.00	27.00	30.00
Case lots, doz.....	6	3	3	3
Weight per case, lbs.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....

**MILK KETTLES.**

TIN COVERS. SIDE HANDLES.

Code .....	Inconstant	Incovert	Incrasame
Numbers .....	<b>81</b>	<b>82</b>	<b>83</b>
Quarts .....	1	2	3
Inches .....	4¼	5	6
Weight per doz., lbs.....	9	12	19
Per dozen.....	\$10.50	13.00	16.00
Case lots, doz.....	2	2	1
Weight per case, lbs.....	40	60	40
Shipping measure per case, cubic feet	6	6¼	6¼

Code .....	Increbbo	Incremate
Numbers.....	<b>84</b>	<b>86</b>
Quarts.....	4	6
Inches.....	6½	7¼
Weight per doz., lbs.....	23	30
Per dozen.....	\$19.00	23.00
Case lots, doz.....	1	1
Weight per case, lbs.....	46	60
Shipping measure per case, cubic feet..	7	8½

**LIPPED PRESERVING KETTLES.**

Code .....	Increpant	Incretive	Incrostar
Numbers.....	<b>14</b>	<b>16</b>	<b>18</b>
Quarts.....	1½	2	2½
Inches.....	6½x3¼	7¼x3¼	7¼x3½
Weight per doz., lbs.....	7½	8	9
Per dozen.....	\$6.50	7.50	8.50
Case lots, doz.....	3	3	3
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cu. ft...	.....	.....	.....



Code .....	Incrudel	Incrunine	Incrusted	Incubor	Inculcate
Numbers.....	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>
Quarts.....	3	4	5	6	8
Inches.....	8½x3¾	9x4	9¾x4½	11x5	11¼x5½
Weight per doz., lbs.....	10	12	18	20	25
Per dozen.....	\$10.00	11.50	13.00	15.00	18.00
Case lots, doz.....	3	3	3	3	3
Weight per case, lbs.....	56	60	76	95	101
Shipping measure per case, cubic feet.....	3½	3½	4½	4¼	4½

Code .....	Inculpame	Inculquer	Incultaro	Incumban	Incumbide
Numbers.....	<b>30</b>	<b>32</b>	<b>36</b>	<b>40</b>	<b>50</b>
Quarts.....	10	12	14	18	30
Inches.....	12x6	13x5¾	14x6¼	14¾x7½	17¾x8¾
Weight per doz., lbs.....	27	38	42	48	74
Per dozen.....	\$21.00	24.00	30.00	42.00	60.00
Case lots, doz.....	2	2	1	1	½
Weight per case, lbs.....	.....	.....	71	83	.....
Shipping measure per case, cubic feet.....	4½	5	4½	5¼	5¼



## WINDSOR KETTLES.

### TIN COVERS.

Code .....	Incurate	Incurritor	Incurсанд
Numbers.....	<b>214</b>	<b>216</b>	<b>218</b>
Quarts.....	1 3/4	2	2 1/2
Inches.....	6 3/4 x 3 1/4	7 1/2 x 3 1/2	8 x 4
Weight per doz. lbs.....	12	13 1/2	16
Per dozen.....	\$10.00	11.00	13.00
Case lots, doz.....	3	3	3
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....

Code .....	Incurvase	Incusaver	Indagare	Indagator	Indalent	Indebito
Numbers.....	<b>220</b>	<b>222</b>	<b>224</b>	<b>226</b>	<b>228</b>	<b>230</b>
Quarts.....	4	5	5 3/4	6 1/2	8	10
Inches.....	8 3/4 x 4 1/4	9 1/2 x 4 1/4	10 x 4 3/4	10 3/4 x 5 1/4	11 1/4 x 5 7/8	12 x 6 1/8
Weight per doz., lbs.....	18	22	26	28	36	42
Per dozen.....	\$15.00	17.00	19.00	22.00	25.00	30.00
Case lots, doz.....	2	2	2	1	1	1
Weight per case, lbs.....	.....	.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	5 1/2	6	6 1/2	3 1/2	3 3/4	4 1/2

## OIL STOVE TEA KETTLES.

### ENAMELED COVERS. SEAMLESS.



Code.....	Indebolir	Indecist
Numbers.....	<b>1 1/2</b>	<b>2</b>
Quarts.....	1 1/2	2
Inches.....	7 1/2	8 3/4
Weight per doz., lbs.....	12	18
Per dozen.....	\$16.00	18.00
Case lots, doz.....	2	2
Weight per case, lbs.....	45	59
Shipping measure per case, cubic feet...	5 3/4	6 1/4

## TEA KETTLES.

### ENAMELED COVERS. FLAT BOTTOMS.



Code .....	Indecord	Indefend	Indefero
Numbers.....	<b>20</b>	<b>30</b>	<b>40</b>
Quarts.....	1	1 3/4	2
Inches.....	6	6 1/2	7
Weight per doz., lbs.....	9	10	14
Per dozen.....	\$16.00	18.00	20.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	36	42	59
Ship. meas. per case, cu. ft....	4 1/2	5	5 1/2

Code.....	Indefleto	Indeject	Indelicate	Indemon	Independ	Indesert
Numbers.....	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>	<b>90</b>	<b>100</b>
Quarts.....	3	4	5	7	8	11
Inches.....	8	8 1/2	9 1/2	10 1/4	11	11 3/4
Weight per doz., lbs.....	16	21	24	28	36	37
Per dozen.....	\$23.00	26.00	30.00	35.00	42.00	50.00
Case lots, doz.....	2	1	1	1	1	1
Weight per case, lbs.....	64	53	65	70	84	98
Shipping measure per case, cubic feet.....	7	5 1/3	6 7/12	8 1/12	9 1/4	9 3/4

**TEA KETTLES.**

ENAMELED COVERS. PIT BOTTOMS.

Code.....	Indevote	Indezuel	Indiavol
Numbers .....	<b>6</b>	<b>7</b>	<b>8</b>
Quarts.....	4	5	7
Inches.....	8½	9½	10¼
Weight per doz., lbs.....	21	24	28
Per dozen.....	\$26.00	30.00	35.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	53	65	70
Shipping meas. per case, cu. ft..	5½	6½	8½

**DEEP LADLES.**

FLAT HANDLES. SOLID.

Code.....	Indicator	Indicente	Indicted
Numbers .....	<b>80</b>	<b>90</b>	<b>100</b>
Inches.....	3¾	3¾	4
Weight per doz., lbs.....	3	4	5
Per dozen.....	\$3.50	4.00	4.50
Case lots, doz.....	12	12	6
Weight per case, lbs.....	46	58	38
Shipping meas. per case, cu. ft.	2	2	1½



Code.....	Indifest	Indigete	Indignam
Numbers .....	<b>110</b>	<b>120</b>	<b>130</b>
Inches.....	4¼	4¾	5
Weight per doz., lbs....	7	8	10
Per dozen.....	\$5.00	5.50	6.00
Case lots, doz.....	6	6	6
Weight per case, lbs.....	50	60	70
Shipping measure per case, cubic feet.....	1½	1½	2

**DEEP LADLES.**

FLAT HANDLES. PIERCED.

Code.....	Indiligent	Indispert	Indivisor	Indizion
Numbers .....	<b>101</b>	<b>111</b>	<b>121</b>	<b>131</b>
Inches.....	4	4¼	4¾	5
Weight per doz., lbs..	5	7	8	10
Per dozen.....	\$5.00	5.50	6.00	6.50
Case lots, doz.....	6	6	6	6
Weight per case, lbs.	38	50	60	70
Ship. meas. per case, cu. ft.	1½	1½	1½	2

**GRADUATED MEASURES.**

WITH LIPS.

Code.....	Indocilo
Number.....	<b>11</b>
Quart.....	1
Weight per doz., lbs.....	6½
Per dozen.....	\$12.00
Case lots, doz.....	3
Weight per case, lbs.....	45
Shipping measure per case, cubic feet.....	4½







## STANDARD MEASURES.

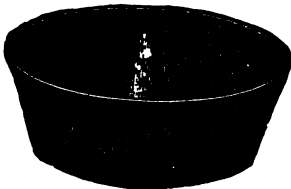
### SEAMED.

Code.....	Indoctor	Indogati	Indolche
Numbers.....	<b>01</b>	<b>02</b>	<b>03</b>
Pint.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Inches.....	$2\frac{3}{4}$	$3\frac{3}{4}$	5
Weight per doz., lbs.....	2	3	$4\frac{1}{2}$
Per dozen.....	\$5.00	6.00	9.00
Case lots, doz.....	3	3	3
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per cubic, cu. ft.....	.....	.....	.....

Code.....	Indolent	Indonnit	Indormien
Numbers.....	<b>04</b>	<b>05</b>	<b>06</b>
Quarts.....	1	2	4
Inches.....	$6\frac{1}{4}$	8	$9\frac{3}{4}$
Weight per doz., lbs.....	7	12	$16\frac{1}{2}$
Per dozen.....	\$12.00	16.00	21.00
Case lots, doz.....	2	2	1
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet.....	4	$4\frac{1}{12}$	$5\frac{2}{3}$

## ROUND CAKE MOULDS.

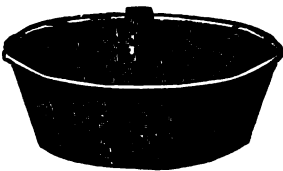
### DEEP. WITH TUBES.



Code.....	Indorsaba	Indossite	Indovine	Indracard	Indrachin
Numbers.....	<b>142</b>	<b>143</b>	<b>144</b>	<b>145</b>	<b>146</b>
Quarts.....	2	3	4	5	6
Inches.....	$8\frac{1}{2} \times 3$	$9\frac{1}{4} \times 3\frac{1}{4}$	$10 \times 3\frac{3}{8}$	$10\frac{3}{4} \times 3\frac{1}{2}$	$11\frac{1}{2} \times 3\frac{3}{4}$
Wt. per doz., lbs..	9	12	15	$19\frac{1}{2}$	25
Per dozen.....	\$7.50	8.50	10.00	11.50	13.00
Case lots, doz.....	3	3	3	3	3
Wt. per case, lbs.	.....	.....	.....	.....	.....
Ship. meas. per case, cu. ft.....	.....	.....	.....	.....	.....

## OCTAGON CAKE MOULDS.

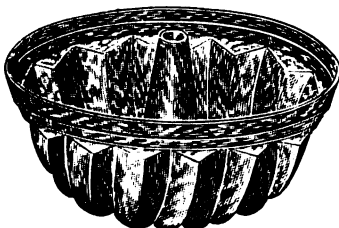
### DEEP. WITH TUBES.



Code.....	Indubit	Induction	Indugine	Induikie
Numbers.....	<b>720</b>	<b>730</b>	<b>740</b>	<b>750</b>
Quarts.....	2	3	4	5
Inches.....	$8\frac{1}{4} \times 3$	$9 \times 3$	$10 \times 3\frac{1}{2}$	$10\frac{1}{2} \times 3\frac{3}{4}$
Wt. per doz., lbs.....	9	$9\frac{1}{2}$	12	13
Per dozen.....	\$8.50	10.00	11.50	13.00
Case lots, lbs.....	3	3	3	3
Weight per case, lbs...	.....	.....	.....	.....
Ship. meas. per case, cu. ft...	.....	.....	.....	.....

## TURK'S HEAD CAKE MOULDS.

### WITH TUBES.



Code.....	Indulgent	Indurate	Induresit	Inebretta
Numbers.....	<b>161</b>	<b>161</b>	<b>162</b>	<b>163</b>
Quarts.....	$1\frac{1}{2}$	2	3	4
Inches.....	$7\frac{1}{4} \times 3\frac{3}{8}$	$8\frac{1}{8} \times 3\frac{3}{8}$	$9 \times 4$	$9\frac{3}{4} \times 4$
Wt. per doz., lbs.....	9	$10\frac{1}{2}$	12	$12\frac{1}{2}$
Per dozen.....	\$8.00	9.50	11.00	12.50
Case lots, doz.....	3	3	3	3
Wt. per case, lbs.....	.....	.....	.....	.....
Ship. meas. per case, cu. ft.	.....	.....	.....	.....

**CHILDREN'S MUGS.****SEAMLESS.**

Code .....	Inedite	Inefficate
Numbers .....	8	5
Pint .....	$\frac{1}{2}$	1
Inches .....	3x3	$3\frac{1}{2} \times 3\frac{1}{4}$
Weight per doz., lbs.....	$3\frac{1}{2}$	$4\frac{1}{2}$
Per dozen.....	\$4.50	6.00
Case lots, doz.....	6	6
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet...	5	$5\frac{1}{2}$

**CHAMBER PAILS.****SEAMED.**

Code .....	Inelegant
Number.....	2
Quarts.....	10
Weight per doz., lbs.....	25
Per dozen.....	\$33.00
Case lots, doz.....	$\frac{1}{2}$
Weight per case, lbs.....	41
Shipping measure per case, cubic feet.....	$5\frac{3}{4}$

**CHAMBER PAILS.****SEAMLESS.**

Code.....	Inemortus
Number .....	80
Quarts.....	16
Weight per doz., lbs.....	55
Per dozen .....	\$54.00
Case lots, doz.....	$\frac{1}{2}$
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	7



**WATER PAILS.****SEAMLESS.**

Code .....	Inermoir	Inerrand	Inescand
Numbers .....	<b>106</b>	<b>108</b>	<b>110</b>
Quarts.....	6	8	10
Inches.....	8 3/4 x 6 1/4	9 1/4 x 7 1/2	10 1/4 x 8 1/4
Weight per doz., lbs.....	20	25	30
Per dozen.....	\$18.00	21.00	24.00
Case lots, doz.....	2	2	1
Weight per case, lbs.....	.....	.....	50
Ship. meas. per case, cu. ft.	5	5 1/4	2 3/8

Code .....	Inesperad	Inettine	Inevolute
Numbers .....	<b>112</b>	<b>114</b>	<b>116</b>
Quarts.....	12	15	20
Inches.....	11 x 9 1/2	12 x 9 3/4	13 1/4 x 10 3/4
Weight per doz., lbs.....	38	50	65
Per dozen.....	\$30.00	36.00	42.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	60	66	85
Ship. meas. per case, cu. ft.	3 3/8	4 1/8	7 1/2

**WATER PAILS.****SEAMLESS. WITH SEAMLESS FOOT.**

Code.....	Inexpletis	Infabro	Infaceta
Numbers .....	<b>206</b>	<b>208</b>	<b>210</b>
Quarts.....	6	8	10
Inches .....	8 3/4 x 6 1/4	9 1/4 x 7 1/2	10 1/4 x 8 1/4
Weight per doz., lbs.....	23	27	33
Per dozen .....	\$20.00	23.00	26.00
Case lots, doz.....	2	2	1
Weight per case, lbs.....	.....	.....	53
Ship. meas. per case, cu. ft.	5	5 1/4	2 3/8

Code .....	Infacundo	Infagonate	Infallard
Numbers .....	<b>212</b>	<b>214</b>	<b>216</b>
Quarts.....	12	15	20
Inches .....	11 x 9 1/2	12 x 9 3/4	13 1/4 x 10 3/4
Weight per doz., lbs.....	40	54	70
Per dozen.....	\$32.00	38.00	44.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	62	70	90
Shipping measure per case, cubic feet.....	3 3/8	4 1/8	7 1/2

**LIPPED WATER PAILS.****SEAMED.**

Code .....	Infalline	Infame
Numbers.....	<b>250</b>	<b>300</b>
Quarts.....	10	12
Inches.....	9 3/4 x 9	10 1/2 x 9 1/2
Weight per doz., lbs.....	36	37 1/2
Per dozen.....	\$36.00	39.00
Case lots, doz.....	1/2	1/2
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet	.....	.....

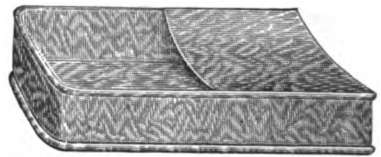
**STRAINER PAILS.**

SEAMLESS.

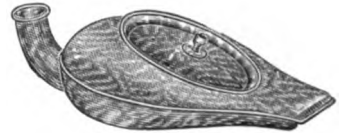
Code.....	Infamart
Number.....	5
Quarts.....	12
Inches.....	12½ x 8¾
Weight per doz., lbs.....	42
Per dozen.....	\$57.00
Case lots, doz.....	½
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

**BED OR DOUCHE PANS.**

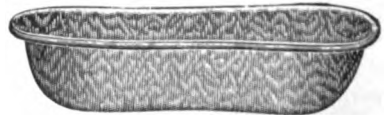
Code.....	Infamato
Number.....	2
Inches.....	15½ x 11¾ x 2¾
Weight per doz., lbs.....	36
Per dozen.....	\$48.00
Case lots, doz.....	½
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	3½

**BED PANS.**

Code.....	Infancon
Number.....	1
Weight per doz., lbs.....	31
Per dozen.....	\$72.00
Case lots, doz.....	1
Weight per case, lbs.....	75
Shipping measure per case, cubic feet.....	9¼

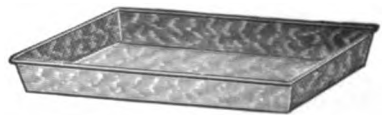
**BIDET PANS.**

Code.....	Infandior
Number.....	10
Inches.....	11¾ x 18¼ x 4
Weight per doz., lbs.....	.....
Per dozen.....	\$36.00
Case lots, doz.....	3
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

**OBLONG PANS.**

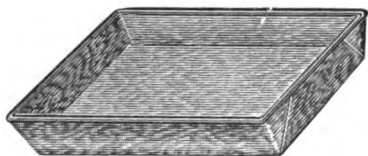
SHALLOW. FOLDED ENDS.

Code.....	Infangart
Number.....	03
Inches.....	11¾ x 7¾ x 1¾
Weight per doz., lbs.....	8
Per dozen.....	\$7.50
Case lots, doz.....	12
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....



# OBLONG PANS.

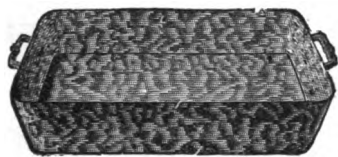
DEEP. FOLDED ENDS.



Code.....	Infangher	Infantick
Numbers.....	<b>01</b>	<b>02</b>
Inches.....	9x5¼x2¼	10x6x2¼
Weight per doz., lbs.....	8½	8
Per dozen.....	\$6.00	7.00
Case lots, doz.....	6	6
Weight per case, lbs.....	85	91
Ship. measure per case, cubic feet..	4½½	5

# OBLONG STOVE PANS.

SEAMLESS.



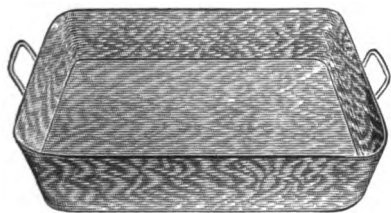
Code.....	Infanzone	Infarcet	Infardive
Numbers.....	<b>100</b>	<b>200</b>	<b>300</b>
Inches.....	7½x9x2¼	8x10½x2¼	8½x12x2¼
Weight per doz., lbs.....	9	13½	17
Per dozen.....	\$10.00	12.00	14.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet..... }	1½	1½	1½

Code.....	Infardos	Infatuante	Infecimo	Infecitor
Numbers.....	<b>325</b>	<b>850</b>	<b>400</b>	<b>425</b>
Inches.....	9x13x2½	9½x14x2½	10½x15x2½	11x16x2½
Weight per doz., lbs.....	21	23	27	30
Per dozen.....	\$16.00	18.00	20.00	23.00
Case lots, doz.....	2	2	2	2
Weight per case, lbs.....	.....	60	70	76
Shipping measure per case, cubic feet.....	2	2½	3½	4

Code.....	Infectame	Infectass	Infection	Infecund
Numbers.....	<b>450</b>	<b>475</b>	<b>500</b>	<b>550</b>
Inches.....	11x17x2½	12x17x2½	12x18x2½	13x18x2½
Weight per doz., lbs.....	32	36	40	45
Per dozen.....	\$26.00	27.50	29.00	33.00
Case lots, doz.....	2	2	2	2
Weight per case, lbs.....	89	.....	.....	.....
Shipping measure per case, cubic feet.....	4¼	5¾	6¾	6¾

# SQUARE STOVE PANS.

SEAMLESS.



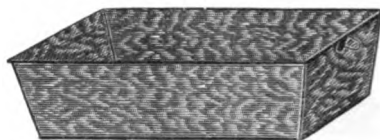
Code.....	Infensaba	Infensor
Numbers.....	<b>111</b>	<b>112</b>
Inches.....	11x11	12x12
Weight per doz., lbs.....	18	21
Per dozen.....	\$16.00	18.00
Case lots, doz.....	2	2
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet...	.....	.....

Code.....	Infeodor	Inferanti	Inferivane	Infermate
Numbers.....	<b>118</b>	<b>114</b>	<b>115</b>	<b>118</b>
Inches.....	13x13	14x14	15x15	18x18
Weight per doz., lbs.....	26½	28	30	40
Per dozen.....	\$20.00	24.00	27.00	33.00
Case lots, doz.....	2	2	2	2
Weight per case, lbs.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....

**BREAD PANS.**

DEEP.

Code.....	Inferocit	Infersist	Infervor
Numbers .....	<b>11</b>	<b>12</b>	<b>13</b>
Inches.....	9¼x4½x3	10½x5¼x3	11½x6x3
Weight per doz., lbs...	8	9½	11
Per dozen .....	\$8.00	10.00	12.00
Case lots, doz.....	6	6	6
Weight per case, lbs...	.....	.....	.....
Shipping measure per case, cubic feet .....	.....	.....	.....

**SPONGE CAKE PANS.**

Code.....	Infestis
Number .....	<b>200</b>
Inches.....	13¼x4½x2½
Weight per doz., lbs.....	9
Per dozen .....	\$8.50
Case lots, doz.....	6
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

**JELLY CAKE PANS.**

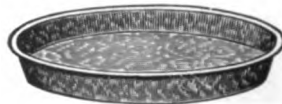
SHALLOW. ⅜ INCH.

Code.....	Infetido	Infezion
Numbers .....	<b>9</b>	<b>10</b>
Inches.....	9	10
Weight per doz., lbs.....	5½	7½
Per dozen .....	\$5.25	6.00
Case lots, doz.....	6	6
Weight per case, lbs.....	43	55
Shipping measure per case, cubic feet...	1⅔	2

**JELLY CAKE PANS.**

DEEP. 1 INCH.

Code.....	Infibula	Infidore
Numbers .....	<b>69</b>	<b>70</b>
Inches.....	9	10
Weight per doz., lbs.....	5¼	7¾
Per dozen .....	\$6.00	7.00
Case lots, doz.....	6	6
Weight per case, lbs.....	52	64
Shipping measure per case, cubic feet...	1⅔	2

**MOUNTAIN CAKE PANS.**

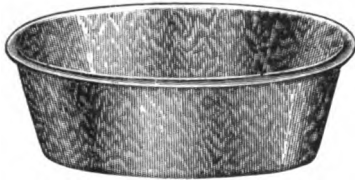
1¼ INCHES DEEP.

Code.....	Infigimos	Infiltron	Infinder
Numbers .....	<b>78</b>	<b>79</b>	<b>80</b>
Inches.....	8	9	10
Weight per doz., lbs.....	8	9	10
Per dozen .....	\$5.50	6.50	7.50
Case lots, doz.....	6	6	6
Weight per case, lbs.....	.....	70	80
Shipping measure per case, cubic feet...	1⅔	1¾	2



# **OVAL CAKE PANS.**

SEAMLESS. EXTRA DEEP.

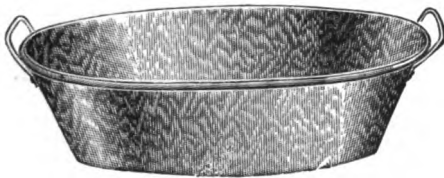


Code.....	Infinitor	Infirmati
Numbers.....	<b>11</b>	<b>11½</b>
Quarts.....	1	1¼
Inches.....	8x6x2¼	8¾x6¾x2½
Weight per doz., lbs.....	7	8
Per dozen.....	\$6.00	7.00
Case lots, doz.....	6	6
Weight per case, lbs.....	.....	.....
Ship. measure per case, cubic feet.....	.....	.....

Code.....	Infirmier	Infirmity	Infstole	Infizziam	Inflabate
Numbers.....	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
Quarts.....	1¾	2	2½	3	4
Inches.....	9¾x7¼x2½	10x7¼x3	10½x8x3½	11x8¾x3¾	12¼x9¾x3¾
Weight per doz., lbs.....	8½	10	12	12½	16
Per dozen.....	\$8.00	9.00	10.00	12.00	14.00
Case lots, doz.....	6	6	6	6	6
Weight per case, lbs.....	.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....	.....

# **OVAL DISH PANS.**

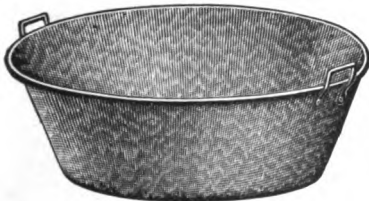
SEAMLESS.



Code.....	Inflation	Inflame	Inflardo
Numbers.....	<b>15</b>	<b>18</b>	<b>22</b>
Inches.....	18¾x14x4¾	20x15¾x5¼	22x17¾x5¼
Wt. per doz., lbs.....	42	48	54
Per dozen.....	\$33.00	37.00	42.00
Case lots, doz.....	1	1	1
Wt. per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....

# **DISH PANS.**

DEEP.

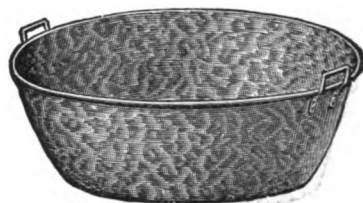


Code.....	Inflated	Inflatori	Inflexter	Infletton
Quarts.....	<b>7</b>	<b>8</b>	<b>10</b>	<b>14</b>
Inches.....	13½x4	14x4¾	14½x5½	16¼x5½
Wt. per doz., lbs.....	21	26	30	34
Per dozen.....	\$16.00	18.00	20.00	24.00
Case lots, doz.....	2	2	2	1
Wt. per case, lbs.....	56	68	74	49
Shipping measure per case, cubic feet.....	4½	4¾	5	3½

Code.....	Inflexes	Inflexist	Inflexure	Inflitted
Quarts.....	<b>17</b>	<b>21</b>	<b>30</b>	<b>40</b>
Inches.....	17¾x5¾	19½x6	20¾x6½	24x7¼
Weight per doz., lbs.....	41	44	52½	65
Per dozen.....	\$28.00	32.00	48.00	78.00
Case lots, doz.....	1	1	1	1
Weight per case, lbs.....	56	59	70	85
Shipping measure per case, cubic feet.....	4¾	4¾	6¾	8½

**RINSING PANS.**

Code.....	Infligeon	Infligirt	Inflorea	Infloren
Quarts.....	8	10	14	17
Inches.....	14x4¼	14¾x4½	16x5	18x5½
Weight per doz., lbs..	23	27	31	39
Per dozen.....	\$15.00	17.00	20.00	24.00
Case lots, doz.....	2	2	1	1
Weight per case, lbs..	.....	.....	.....	54
Shipping measure per case, cubic feet.....	4¾	5	3⅓	4½

**EGG PANS.**

Code.....	Influent	Influoron	Influvia	Influxio
Numbers.....	10	20	30	40
Inches.....	5½x1⅞	6⅞x1⅞	7⅞x1⅞	8x1¼
Weight per doz., lbs..	2½	3	5	5½
Per dozen.....	\$4.25	5.00	5.75	6.50
Case lots, doz.....	6	6	6	6
Weight per case, lbs..	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....

**EGG FRY PANS.**

Code.....	Infocolate	Infodem	Infoderat
Numbers.....	14	15	16
Eyes.....	4	5	6
Inches.....	9¾	12	12¼
Weight per doz., lbs..	14	18	22
Per dozen.....	\$12.00	14.00	16.00
Case lots, doz.....	3	3	3
Weight per case, lbs..	.....	.....	.....
Shipping measure per case, cubic feet...	.....	.....	.....

**LIPPED FRY PANS.****DEEP.**

Code.....	Infodite	Infogline	Infollite	Inforchis	Informand
Numbers.....	30	31	32	33	34
Inches.....	7½x1¼	8x1⅞	8¾x1⅞	9¾x2¼	10x2¼
Wt. per doz., lbs..	8	9	11½	13	14
Per dozen.....	\$7.00	8.00	9.00	10.00	12.00
Case lots, doz...	3	3	3	3	3
Wt. per case, lbs..	.....	.....	.....	.....	.....
Shipping measure per case, cubic feet	.....	.....	.....	.....	.....

Code.....	Informer	Informist	Inforsate
Numbers.....	35	36	37
Inches.....	11x2¼	11¼x2¼	12¼x2¼
Weight per doz., lbs..	15	22	28
Per dozen.....	\$14.00	16.00	18.00
Case lots, doz.....	3	3	3
Weight per case, lbs..	.....	.....	.....
Shipping measure per case, cubic feet	.....	.....	.....





# NATIONAL ACME FRY PANS.

COLD HANDLES.

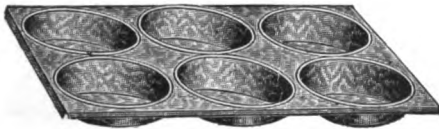


Code.....	Inforzard	Infoscat
Numbers.....	<b>50</b>	<b>51</b>
Inches.....	8x1 $\frac{3}{4}$	8 $\frac{1}{2}$ x1 $\frac{3}{4}$
Weight per doz., lbs.....	10	12
Per dozen.....	<b>\$9.00</b>	10.50
Case lots, doz.....	3	3
Shipping measure per case, cubic feet...	.....	.....
Weight per case, lbs.....	.....	.....

Code.....	Infractor	Infragile	Infralite	Infrances	Infrantum	Infrazion
Numbers.....	<b>52</b>	<b>53</b>	<b>54</b>	<b>55</b>	<b>56</b>	<b>57</b>
Inches.....	9 $\frac{1}{4}$ x1 $\frac{7}{8}$	10x1 $\frac{7}{8}$	10 $\frac{1}{2}$ x2	11x2	12x2 $\frac{1}{8}$	13 $\frac{1}{4}$ x2 $\frac{1}{4}$
Weight per doz., lbs.....	14 $\frac{1}{2}$	17	18	20	25	30
Per dozen.....	<b>\$12.00</b>	13.50	15.00	16.50	18.00	21.00
Case lots, doz.....	3	3	3	3	3	3
Weight per case, lbs.....	.....	.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....	.....	.....	.....

# MUFFIN PANS.

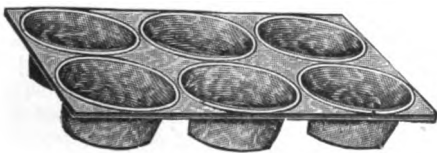
CUPS 3 $\frac{1}{4}$ x1. SOLID FRAME.



Code.....	Infreddar	Infregimo	Infregist
Numbers.....	<b>406</b>	<b>408</b>	<b>412</b>
Cups on frame.....	6	8	12
Inches.....	11x7 $\frac{1}{4}$	14 $\frac{3}{8}$ x7 $\frac{1}{4}$	14 $\frac{1}{2}$ x11
Weight per doz., lbs.....	7	9	13 $\frac{1}{2}$
Per dozen.....	<b>\$9.00</b>	11.00	15.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet..	.....	.....	.....

# CORN CAKE PANS.

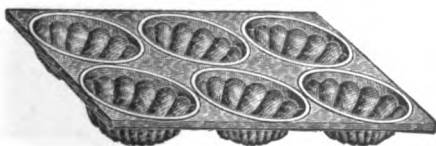
CUPS 3 $\frac{1}{4}$ x1 $\frac{1}{4}$ . SOLID FRAME.



Code.....	Infrequent	Infricate	Infronda
Numbers.....	<b>706</b>	<b>708</b>	<b>712</b>
Cups on frame.....	6	8	12
Inches.....	11x7 $\frac{1}{4}$	14 $\frac{3}{8}$ x7 $\frac{1}{4}$	14 $\frac{1}{2}$ x11
Weight per doz., lbs.....	7 $\frac{1}{2}$	9 $\frac{3}{4}$	14
Per dozen.....	<b>\$11.00</b>	13.00	17.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet..	.....	.....	.....

# TURK'S HEAD MUFFIN PANS.

CUPS 3 $\frac{1}{4}$ x1 $\frac{1}{4}$ . SOLID FRAME.



Code.....	Infucante	Infudist	Infulado
Numbers.....	<b>1506</b>	<b>1508</b>	<b>1512</b>
Cups on frame.....	6	8	12
Inches.....	11x7 $\frac{1}{4}$	14 $\frac{3}{8}$ x7 $\frac{1}{4}$	14 $\frac{1}{2}$ x11
Weight per doz., lbs.....	7 $\frac{1}{4}$	9 $\frac{1}{2}$	13 $\frac{3}{4}$
Per dozen.....	<b>\$12.00</b>	14.00	18.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet..	.....	.....	.....

**MILK PANS.**

Code.....	Infumart	Infundid	Infuriad
Quart.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Inches.....	$5\frac{1}{4} \times 1\frac{3}{4}$	$6 \times 1\frac{1}{2}$	$6\frac{3}{4} \times 1\frac{3}{4}$
Weight per doz., lbs.....	2	$2\frac{3}{4}$	$3\frac{3}{4}$
Per dozen.....	\$3.50	3.75	4.25
Case lots, doz.....	6	6	6
Weight per case, lbs.....	.....	29	35
Shipping measure per case, cubic feet..	1	1	$1\frac{1}{2}$

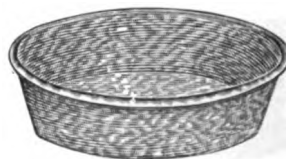


Code.....	Infuscam	Infuserat	Ingabbia	Ingalap	Ingambo
Quarts.....	$1\frac{1}{2}$	2	3	$3\frac{1}{2}$	4
Inches.....	$7\frac{3}{4} \times 1\frac{3}{4}$	$8\frac{1}{2} \times 2$	$9\frac{1}{4} \times 2\frac{1}{4}$	$10 \times 2\frac{1}{2}$	$10\frac{7}{8} \times 2\frac{1}{2}$
Weight per doz., lbs.....	$4\frac{1}{2}$	6	9	$9\frac{1}{2}$	10
Per dozen.....	\$5.00	5.75	6.50	7.25	8.00
Case lots, doz.....	6	6	6	6	6
Weight per case, lbs.....	48	50	60	70	80
Shipping measure per case, cubic feet.....	$1\frac{1}{3}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$

Code.....	Ingangher	Ingatbug	Ingather	Ingebake	Ingekord
Quarts.....	5	6	8	10	12
Inches.....	$11\frac{3}{4} \times 2\frac{3}{4}$	$12\frac{3}{4} \times 2\frac{3}{4}$	$13\frac{1}{4} \times 3$	$14\frac{1}{2} \times 3$	$15\frac{1}{2} \times 3\frac{1}{2}$
Weight per doz., lbs.....	12	15	16	$17\frac{1}{2}$	21
Per dozen.....	\$9.00	10.00	11.00	13.00	15.00
Case lots, doz.....	6	6	4	4	4
Weight per case, lbs.....	90	105	80	92	110
Shipping measure per case, cubic feet.....	$2\frac{1}{2}$	$3\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{2}$

**OVAL PUDDING PANS.****SEAMLESS.**

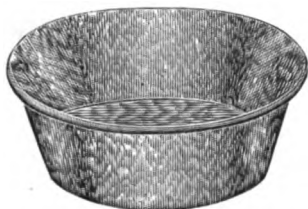
Code.....	Ingelosit	Ingemente
Numbers.....	201	202
Quarts.....	1	2
Inches.....	$10\frac{1}{2} \times 8 \times 2$	$11\frac{3}{4} \times 8\frac{3}{4} \times 2\frac{1}{2}$
Weight per doz., lbs.....	9	10
Per dozen.....	\$7.00	8.00
Case lots, doz.....	6	6
Weight per case, lbs.....	.....	.....
Ship. measure per case, cu. ft.....	.....	.....



Code.....	Ingemmit	Ingemuist
Numbers.....	203	204
Quarts.....	3	4
Inches.....	$13 \times 9\frac{3}{4} \times 2\frac{1}{4}$	$13\frac{1}{2} \times 10\frac{1}{2} \times 2\frac{1}{2}$
Weight per doz., lbs.....	14	18
Per dozen.....	\$10.00	12.00
Case lots, doz.....	6	6
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....

# PUDDING PANS.

DEEP.



Code .....	Ingenier	Ingepate	Ingerame
Quarts .....	$\frac{1}{2}$	1	$1\frac{1}{2}$
Inches .....	$6\frac{1}{8} \times 2\frac{1}{4}$	$7\frac{1}{4} \times 2\frac{3}{8}$	$7\frac{3}{4} \times 3$
Weight per doz., lbs.....	3	4	$5\frac{1}{2}$
Per dozen.....	\$4.50	5.25	6.00
Case lots, doz.....	6	6	6
Weight per case, lbs.....	35	43	55
Ship. measure per case, cu. ft.	1	$1\frac{1}{8}$	$1\frac{1}{2}$

Code .....	Ingerend	Ingeridur	Ingeritos	Ingeritamo	Ingevalle	Inghermit	Inglomer
Quarts.....	2	8	4	5	6	8	10
Inches .....	$8\frac{1}{2} \times 3$	$9\frac{1}{4} \times 3\frac{1}{4}$	$10\frac{1}{4} \times 3\frac{1}{4}$	$11 \times 3\frac{1}{2}$	$11\frac{1}{2} \times 3\frac{1}{2}$	$12\frac{1}{2} \times 4$	$13\frac{1}{4} \times 4\frac{1}{2}$
Weight per doz., lbs.....	$7\frac{1}{2}$	9	10	12	15	16	$17\frac{1}{2}$
Per dozen.....	\$6.75	7.50	8.25	9.50	11.00	13.00	15.00
Case lots, doz.....	6	6	6	6	6	6	4
Weight per case, lbs.....	62	69	80	98	115	125	90
Shipping measure per case, cubic feet.....	$1\frac{1}{4}$	$2\frac{1}{8}$	$2\frac{1}{8}$	$2\frac{3}{8}$	$3\frac{1}{12}$	$3\frac{1}{2}$	$3\frac{3}{4}$

# BERLIN SAUCE PANS.

TIN COVERS. FLAT HANDLES.



Code.....	Inglosale	Ingoffin
Numbers.....	02	03
Quarts.....	2	3
Inches.....	$6 \times 3$	$7 \times 3\frac{7}{8}$
Weight per doz., lbs.....	10	12
Per dozen .....	\$10.00	13.00
Case lots, doz.....	2	2
Weight per case, lbs.....	49	62
Shipping measure per case, cubic feet	$4\frac{2}{3}$	$6\frac{1}{3}$

Code .....	Ingomber	Ingombran	Ingorbito	Ingracil	Ingradate
Numbers.....	04	06	08	010	012
Quarts.....	4	6	8	10	12
Inches .....	$7\frac{1}{2} \times 4\frac{3}{8}$	$8\frac{1}{2} \times 5$	$9\frac{1}{4} \times 5\frac{3}{4}$	$10\frac{1}{4} \times 6\frac{1}{8}$	$11\frac{1}{4} \times 6\frac{3}{4}$
Weight per doz., lbs.....	15	23	30	36	42
Per dozen.....	\$16.00	20.00	24.00	30.00	36.00
Case lots, doz.....	2	1	1	$\frac{1}{2}$	$\frac{1}{2}$
Weight per case, lbs.....	65	57	78	96	.....
Shipping measure per case, cubic feet.....	$8\frac{1}{3}$	$7\frac{1}{12}$	$10\frac{1}{4}$	6	8

# BERLIN SAUCE PANS.

ENAMELED COVERS. FLAT HANDLES.



Code.....	Ingraft	Ingrain	Ingramist	Ingrandor	Ingrassin
Numbers .....	021	031	041	061	081
Quarts .....	2	3	4	6	8
Inches .....	$6 \times 3$	$7 \times 3\frac{7}{8}$	$7\frac{1}{2} \times 4\frac{3}{8}$	$8\frac{1}{2} \times 5$	$9\frac{1}{4} \times 5\frac{3}{4}$
Wt. per doz., lbs...	10	12	15	23	30
Per dozen .....	\$13.00	16.00	19.00	24.00	28.00
Case lots, doz.	2	2	2	1	1
Wt. per case, lbs..	49	62	65	57	78
Shipping measure } per case, cu.ft.	$4\frac{2}{3}$	$6\frac{1}{3}$	$8\frac{1}{3}$	$7\frac{1}{12}$	$10\frac{1}{4}$

**CONVEX SAUCE PANS.**

TIN COVERS. FLAT HANDLES.

Code.....	Ingratia	Ingrazian
Numbers .....	<b>207</b>	<b>209</b>
Quarts.....	2	3
Inches.....	6½x4½	7x4¾
Weight per doz., lbs.....	15	18
Per dozen .....	<b>\$13.00</b>	17.00
Case lots, doz.....	3	3
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet .....	.....	.....



Code.....	Ingredate	Ingrederi	Ingriffo	Ingrosser	Ingruent
Numbers .....	<b>210</b>	<b>212</b>	<b>214</b>	<b>216</b>	<b>218</b>
Quarts.....	4	6	8	10	12
Inches .....	7½x5¼	8½x6	9½x6¾	10½x7¾	11½x7¾
Weight per doz., lbs.....	19	25	31	42	48
Per dozen .....	<b>\$21.00</b>	25.00	30.00	36.00	42.00
Case lots, doz.....	3	1	1	½	½
Weight per case, lbs.....	.....	.....	.....	53	60
Shipping measure per case, cubic feet.....	.....	8½/12	9¼	7½	9

**CLIMAX SAUCE PANS.**

TIN COVERS. PATENT ASBESTOS BOTTOMS.

Code .....	Inguador	Ingulf	Ingusto	Inhabit	Inhaftire
Numbers .....	<b>802</b>	<b>808</b>	<b>804</b>	<b>806</b>	<b>808</b>
Quarts .....	1½	2¾	3¾	5	7
Inches .....	5¼x3¾	6¾x4	8¾x4¼	9x5	10x5¾
Wt. per doz., lbs...	15	19½	27	33	39
Per dozen.....	<b>\$15.00</b>	18.00	21.00	24.00	27.00
Case lots, doz.	1	1	1	1	½
Wt. per case, lbs.	.....	.....	.....	.....	.....
Shipping measure / per case, cu. ft. }	.....	.....	.....	9	.....

**STRAIGHT SAUCE PANS.**

TIN COVERS. SEAMED.

Code .....	Inhalaca	Inhalant	Inhalers	Inherent	Inheritor
Numbers .....	<b>161</b>	<b>162</b>	<b>163</b>	<b>164</b>	<b>166</b>
Quarts .....	1	2	3	4	6
Inches .....	5x3½	6x4¼	6¾x5½	7½x6¼	8¾x6¾
Wt. per doz., lbs...	8	11	14	18	21
Per dozen.....	<b>\$8.00</b>	10.00	12.00	15.00	18.00
Case lots, doz.	2	2	2	2	1
Wt. per case, lbs.	34	60	72	90	60
Shipping measure / per case, cu. ft. }	2½	5½	6½	10½	7¼



**LIPPED SAUCE PANS.**

Code.....	Inhibitu	Inhiesto	Inhonest	Inhumate
Numbers.....	<b>9</b>	<b>10</b>	<b>12</b>	<b>14</b>
Quarts.....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$
Inches.....	$4\frac{1}{2} \times 2\frac{1}{4}$	$5 \times 2\frac{1}{2}$	$5\frac{1}{2} \times 2\frac{3}{4}$	$6\frac{1}{2} \times 3\frac{1}{4}$
Wt. per doz., lbs.....	4	5	6	$6\frac{1}{4}$
Per dozen.....	\$4.50	5.00	5.50	6.50
Case lots, doz.....	6	6	6	3
Wt. per case, lbs.....	.....	.....	.....	36
Ship. meas. per case, cu. ft.....	.....	.....	.....	$2\frac{1}{4}$

Code .....	Inhumeron	Inibitor	Iniguale	Inimicit	Iniquida	Initiator	Initure	Injecimo
Numbers.....	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>
Quarts.....	2	$2\frac{1}{2}$	3	4	5	6	8	10
Inches.....	$7\frac{1}{4} \times 3\frac{1}{4}$	$7\frac{3}{4} \times 3\frac{1}{2}$	$8\frac{1}{2} \times 3\frac{3}{4}$	$9 \times 4$	$9\frac{3}{4} \times 4\frac{1}{8}$	$11 \times 5$	$11\frac{1}{4} \times 5\frac{1}{2}$	$12 \times 6$
Weight per doz., lbs.....	$7\frac{1}{2}$	9	12	14	16	24	25	30
Per dozen.....	\$7.50	8.50	10.00	11.50	13.00	15.00	18.00	21.00
Case lots, doz.....	3	3	3	3	3	3	2	1
Weight per case, lbs.....	42	50	60	67	82	85	57	37
Shipping measure per case, cu. ft....	$2\frac{1}{4}$	$2\frac{2}{3}$	$3\frac{1}{3}$	$4\frac{1}{4}$	$4\frac{5}{8}$	$6\frac{7}{12}$	$6\frac{1}{4}$	4

**STRAIGHT SAUCE PANS.**

TIN COVERS. SEAMLESS. FLAT HANDLES.

Code.....	Injectaba	Injucund	Injuriad
Numbers.....	<b>50</b>	<b>150</b>	<b>250</b>
Quarts.....	$\frac{1}{2}$	1	2
Inches.....	$4 \times 2\frac{1}{2}$	$5\frac{1}{8} \times 3\frac{1}{2}$	$6 \times 4$
Weight per doz., lbs.....	6	10	12
Per dozen.....	\$8.00	10.00	12.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	.....	.....	60
Ship. meas. per case, cu. ft.....	$2\frac{1}{4}$	$2\frac{3}{4}$	$5\frac{1}{6}$

Code.. .....	Injustat	Inkelder	Inkhorne	Inkmake	Inlagate
Numbers .....	<b>350</b>	<b>450</b>	<b>650</b>	<b>850</b>	<b>1050</b>
Quarts.....	3	4	6	8	10
Inches.....	$7 \times 4\frac{7}{8}$	$7\frac{1}{2} \times 5\frac{1}{8}$	$8\frac{1}{2} \times 6$	$9\frac{1}{4} \times 6\frac{3}{4}$	$10\frac{1}{4} \times 7\frac{1}{2}$
Weight per doz., lbs.....	18	19	25	33	37
Per dozen.....	\$15.00	18.00	24.00	30.00	36.00
Case lots, doz.....	2	2	1	1	1
Weight per case, lbs.....	71	77	62	85	97
Shipping measure per case, cubic feet.....	$7\frac{1}{12}$	9	$8\frac{1}{6}$	$9\frac{1}{4}$	$11\frac{1}{12}$

**STRAIGHT SAUCE PANS.**

ENAMELED COVERS. SEAMLESS. FLAT HANDLES.

Code.....	Inlapida	Inlaufe	Inleator
Numbers.....	<b>501</b>	<b>1501</b>	<b>2501</b>
Quarts.....	$\frac{1}{2}$	1	2
Inches.....	4x2 $\frac{1}{2}$	5 $\frac{1}{4}$ x3 $\frac{1}{2}$	6x4
Weight per doz., lbs.....	6	10	12
Per dozen.....	\$10.00	12.00	15.00
Case lots, doz.....	2	2	2
Weight per case, lbs.....	.....	.....	.....
Shipping meas. per case, cu. ft....	2 $\frac{1}{4}$	2 $\frac{3}{4}$	5 $\frac{1}{2}$



Code.....	Inleidin	Inlibrate	Inloope	Inlordin	Inmarcit
Numbers.....	<b>3501</b>	<b>4501</b>	<b>6501</b>	<b>8501</b>	<b>1051</b>
Quarts.....	3	4	6	8	10
Inches.....	7x4 $\frac{7}{8}$	7 $\frac{1}{2}$ x5 $\frac{1}{8}$	8 $\frac{1}{2}$ x6	9 $\frac{1}{4}$ x6 $\frac{3}{4}$	10 $\frac{1}{4}$ x7 $\frac{1}{2}$
Weight per doz., lbs.....	18	19	25	33	37
Per dozen.....	\$18.00	21.00	28.00	34.00	40.00
Case lots, doz.....	2	2	1	1	1
Weight per case, lbs.....	71	77	62	85	97
Shipping measure per case, cubic feet.....	7 $\frac{1}{2}$ $\frac{1}{2}$	9	8 $\frac{1}{2}$	9 $\frac{1}{4}$	11 $\frac{1}{2}$

**WINDSOR SAUCE PANS.**

TIN COVERS.

Code.....	Inmate	Inmolaro	Inmortal	Inmutase
Numbers.....	<b>112</b>	<b>114</b>	<b>116</b>	<b>118</b>
Quarts.....	1	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$
Inches.....	6 $\frac{1}{4}$ x3	6 $\frac{3}{4}$ x3 $\frac{1}{4}$	7 $\frac{1}{2}$ x3 $\frac{1}{2}$	8x4
Wt. per doz., lbs.....	10	12	13 $\frac{1}{2}$	16
Per dozen.....	\$9.00	10.00	11.00	13.00
Case lots, doz.....	2	2	2	2
Weight per case, lbs.....	.....	.....	42	47
Shipping meas. per case, cu. ft....	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	4 $\frac{1}{3}$



Code.....	Innabel	Innacent	Innamidi	Innardiss	Innascon	Innate
Numbers.....	<b>120</b>	<b>122</b>	<b>124</b>	<b>126</b>	<b>128</b>	<b>130</b>
Quarts.....	4	5	5 $\frac{1}{4}$	6 $\frac{1}{2}$	8	10
Inches.....	8 $\frac{3}{4}$ x4 $\frac{1}{4}$	9 $\frac{1}{2}$ x4 $\frac{1}{4}$	10x4 $\frac{3}{4}$	10 $\frac{3}{4}$ x5 $\frac{1}{4}$	11 $\frac{1}{4}$ x5 $\frac{7}{8}$	12x6 $\frac{1}{8}$
Weight per doz., lbs.....	18	22	26	28	36	42
Per dozen.....	\$15.00	17.00	19.00	22.00	25.00	30.00
Case lots, doz.....	2	2	2	1	1	1
Weight per case, lbs.....	66	70	78	57	65	73
Shipping measure per case, cubic feet.....	5	5 $\frac{5}{12}$	5 $\frac{2}{3}$	3 $\frac{1}{12}$	4 $\frac{1}{12}$	6

**DEEP STEW PANS.**

Code.....	Innefabia	Innefamo	Innerhalt
Numbers.....	<b>14</b>	<b>16</b>	<b>18</b>
Quarts.....	1	1 $\frac{1}{2}$	2
Inches.....	7 $\frac{1}{4}$ x2 $\frac{3}{8}$	7 $\frac{3}{4}$ x3	8 $\frac{1}{2}$ x3
Weight per doz., lbs.....	7	9	15
Per dozen.....	\$6.50	7.00	8.00
Case lots, doz.....	3	3	3
Weight per case, lbs.....	.....	.....	40
Ship. meas. per case, cu. ft....	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3 $\frac{1}{2}$



Code.....	Innewerd	Inning	Innocent	Innomino
Numbers.....	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>
Quarts.....	3	4	5	6
Inches.....	9 $\frac{1}{4}$ x3 $\frac{1}{4}$	10 $\frac{1}{4}$ x3 $\frac{1}{4}$	11x3 $\frac{1}{2}$	11 $\frac{1}{2}$ x3 $\frac{1}{2}$
Weight per doz., lbs.....	15	18	22	22
Per dozen.....	\$9.00	11.00	13.00	16.00
Case lots, doz.....	3	3	3	3
Weight per case, lbs.....	45	50	60	70
Shipping measure per case, cubic feet.....	4 $\frac{1}{3}$	5 $\frac{5}{12}$	5 $\frac{2}{3}$	6



## MOLASSES PITCHERS.

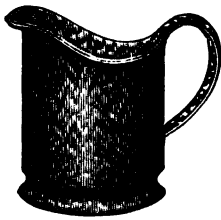
Code.....	Innostra
Number .....	<b>601</b>
Pints.....	1½
Weight per doz., lbs.....	6
Per dozen.....	\$12.00
Case lots, doz.....	2
Weight per case, lbs.....	27
Shipping measure per case, cubic feet.....	2½



## CONVEX WATER PITCHERS.

SEAMLESS.

Code.....	Innovator	Inobscure	Inocchie	Inocula	Inodiate
Numbers.....	<b>401</b>	<b>402</b>	<b>403</b>	<b>404</b>	<b>405</b>
Pints.....	1	2	3	4	5
Wt. per doz., lbs.	6	8	10	12	12½
Per dozen.....	\$13.00	15.00	17.00	19.00	21.00
Case lots, doz...	3	3	3	3	2
Wt. per case, lbs....	.....	.....	.....	.....	.....
Ship. meas. per case, } cubic feet..... }	.....	.....	.....	6½	.....



## GEM WATER PITCHERS.

SEAMLESS.

Code.....	Inodoramo	Inoffenso	Inolente	Inoliture
Numbers .....	<b>11½</b>	<b>22</b>	<b>33½</b>	<b>55</b>
Quarts.....	1½	1¾	2¼	3¼
Weight per doz., lbs....	.....	.....	.....	.....
Per dozen.....	\$18.00	21.00	24.00	27.00
Case lots, doz.....	2	2	2	2
Weight per case, lbs....	.....	.....	.....	.....
Ship. meas. per case, cu. ft...	.....	.....	.....	.....



## WATER PITCHERS.

SEAMLESS.

Code.....	Inonadame	Inopertes	Inopinad	Inornated
Numbers .....	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
Quarts .....	1½	2	3	4
Weight per doz., lbs....	10	12	14	18
Per dozen.....	\$15.00	18.00	21.00	27.00
Case lots, doz.....	2	2	2	2
Wt. per case, lbs.....	35	40	50	.....
Ship. meas. per case, cu. ft..	4¾	5¾	6¾	6¾

**PITCHERS AND BOWLS.****SEAMLESS.**

Code.....	Implante	Inquieta
Numbers.....	<b>100</b>	<b>200</b>
Capacity of pitcher, quarts.....	3	4
Diameter of bowl, inches.....	11½	13
Weight per doz., lbs.....	30	36
Per dozen.....	<b>\$35.00</b>	<b>39.00</b>
Case lots, doz.....	1	1
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet...	.....	.....

**DINNER PLATES.****FLAT BOTTOMS.**

Code.....	Inquinaba	Inquirimo	Inretamo	Inretator
Numbers.....	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
Inches.....	7	8	9	10
Wt. per doz., lbs...	4	5	5	7
Per dozen.....	<b>\$4.00</b>	<b>4.50</b>	<b>5.50</b>	<b>6.50</b>
Case lots, doz.....	12	12	12	12
Wt. per case, lbs...	.....	68	81	98
Shipping measure per } case, cubic feet..... }	1¾	1¾	1¾	2

**OVAL SHIRRED EGG PLATES.**

Code.....	Inretoss
Number.....	<b>1</b>
Inches.....	6x4½x1
Weight per doz., lbs.....	2½
Per dozen.....	<b>\$3.50</b>
Case lots, doz.....	12
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....



Code.....	Inrigaso	Inrigidir	Inrotula
Numbers.....	<b>2</b>	<b>8</b>	<b>4</b>
Inches.....	6½x4¾x1¼	8x6x1½	8½x7x1½
Weight per doz., lbs.....	3	4½	5¼
Per dozen.....	<b>\$4.25</b>	<b>5.00</b>	<b>6.00</b>
Case lots, doz.....	12	12	12
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....



# PIE PLATES.

SHALLOW.  $\frac{7}{8}$  INCH DEEP.



Code.....	Inrubina
Number.....	<b>27</b>
Inches.....	7
Weight per doz., lbs.....	3
Per dozen.....	<b>\$3.25</b>
Case lots, doz.....	12
Weight per case, lbs.....	56
Shipping measure per case, cubic feet.....	2

Code.....	Inruvidit	Insabibe	Insaculo	Insaldate
Numbers.....	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>
Inches.....	8	9	10	11
Weight per doz., lbs.....	4	5½	6	9
Per dozen.....	<b>\$4.00</b>	4.75	5.50	6.50
Case lots, doz.....	12	12	12	12
Weight per case, lbs.....	68	82	94	130
Shipping measure per case, cubic feet.....	2	2½	2½	2½

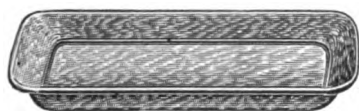
# PIE PLATES.

DEEP. 1¼ INCHES DEEP.



Code.....	Insaleggi	Insalinin	Insaluta
Numbers.....	<b>39</b>	<b>40</b>	<b>41</b>
Inches.....	9	10	11
Weight per doz., lbs.....	4¾	6½	7½
Per dozen.....	<b>\$5.00</b>	6.25	7.50
Case lots, doz.....	12	12	12
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet...	2½	2½	2¾

# OBLONG PIE PLATES.



Code.....	Insanguin
Number.....	<b>55</b>
Full sheet, inches.....	8¾x12¾
Weight per doz., lbs.....	10
Per dozen.....	<b>\$9.00</b>
Case lots, doz.....	6
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

# SOUP PLATES.



Code.....	Insanimo	Insanist	Insapien
Numbers.....	<b>58</b>	<b>59</b>	<b>60</b>
Inches.....	8½	9½	10½
Weight per doz., lbs.....	4	6½	8
Per dozen.....	<b>\$6.00</b>	6.75	7.50
Case lots, doz.....	6	6	6
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet...	.....	.....	.....

**COFFEE POT.**

TIN COVERS. HOLLOW ENAMELED STEEL HANDLES.

Code .....	Insaponar	Insaporit	Inscender	Inscreeve
Numbers .....	<b>2½</b>	<b>3</b>	<b>5</b>	<b>15</b>
Quarts.....	½	¾	1	1½
Inches.....	3½	4	4¾	5
Weight per doz., lbs.	5	5½	9	9½
Per dozen.....	\$10.00	11.00	12.00	14.00
Case lots, doz.....	2	2	2	2
Weight per case, lbs.	.....	32	40	53
Shipping measure per case, cubic feet.....	1½	2¼	3½	4½
Code .....	Inscribon	Inscripto	Insculper	Insectamo
Numbers.....	<b>25</b>	<b>35</b>	<b>45</b>	<b>55</b>
Quarts.....	2	3	4	5
Inches.....	5¾	6¼	7	7¾
Weight per doz., lbs.	12	13	17	20
Per dozen.....	\$16.00	18.00	20.00	23.00
Case lots, doz.....	2	1	1	1
Weight per case, lbs.	62	44	49	55
Shipping measure per case, cubic feet.....	6¼	4½	5½	5¾

**COFFEE POT.**

ENAMELED COVERS. HOLLOW ENAMELED STEEL HANDLES.

Code .....	Insecture	Insedati	Insedime
Numbers .....	<b>51</b>	<b>151</b>	<b>251</b>
Quarts.....	1	1½	2
Inches.....	4¾	5	5¾
Weight per doz., lbs.	9	9½	12
Per dozen.....	\$14.00	16.00	18.00
Case lots, doz.....	2	2	2
Weight per case, lbs.	40	53	62
Shipping measure per case, cubic feet.....	3½	4½	6¼
Code .....	Insegno	Inselcher	Insellan
Numbers .....	<b>351</b>	<b>451</b>	<b>551</b>
Quarts.....	3	4	5
Inches.....	6¼	7	7¾
Weight per doz., lbs.	13	17	20
Per dozen.....	\$20.00	22.00	25.00
Case lots, doz.....	1	1	1
Weight per case, lbs.	44	49	55
Shipping measure per case, cubic feet.....	4½	5½	5¾

**TEA POT.**

TIN COVERS. HOLLOW ENAMELED STEEL HANDLES.

Code.....	Inselviam	Insembri
Numbers.....	<b>00</b>	<b>01</b>
Quarts.....	$\frac{1}{2}$	$\frac{3}{4}$
Inches.....	$3\frac{1}{2}$	<b>4</b>
Weight per doz., lbs.....	<b>5</b>	$5\frac{1}{2}$
Per dozen.....	<b>\$10.00</b>	<b>11.00</b>
Case lots, doz.....	<b>2</b>	<b>2</b>
Weight per case, lbs.....	.....	<b>31</b>
Shipping measure per case, cubic feet.....	$1\frac{1}{4}$	$2\frac{1}{4}$
Code.....	Insemitar	Insempra
Numbers.....	<b>0</b>	<b>10</b>
Quarts.....	<b>1</b>	<b>10</b>
Inches.....	<b>4</b>	<b>5</b>
Weight per doz., lbs.....	<b>9</b>	<b>10</b>
Per dozen.....	<b>\$12.00</b>	<b>14.00</b>
Case lots, doz.....	<b>2</b>	<b>2</b>
Weight per case, lbs.....	<b>45</b>	<b>53</b>
Shipping measure per case, cubic feet.....	<b>3</b>	<b>4</b>





# TEA POT.

ENAMELED COVERS. HOLLOW ENAMELED STEEL HANDLES.

Code.....	Inserenis	Inseridas
Numbers.....	<b>01½</b>	<b>101</b>
Quarts.....	1	1½
Inches.....	4¾	5
Weight per doz., lbs.....	9	10
Per dozen.....	<b>\$14.00</b>	16.00
Case lots, doz.....	2	2
Weight per case, lbs.....	45	50
Shipping measure per case, cubic feet..	3½	4½

Code.....	Inserpien	Insertars	Inservant	Inservite
Numbers.....	<b>201</b>	<b>301</b>	<b>401</b>	<b>501</b>
Quarts.....	2	3	4	5
Inches.....	5¾	6¾	7	7¾
Weight per doz., lbs.....	12	13	17	20
Per dozen.....	<b>\$18.00</b>	20.00	22.00	25.00
Case lots, doz.....	2	1	1	1
Weight per case, lbs.....	60	42	47	53
Shipping measure per case, cubic feet.....	6¼	4½	5½	5¾



# CONVEX SAUCE POT.

TIN COVERS. SEAMLESS.

Code.....	Insevero
Number.....	<b>214</b>
Quarts.....	8
Inches.....	9½x6¾
Weight per doz., lbs.....	36
Per dozen.....	<b>\$30.00</b>
Case lots, doz.....	1
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	8¾

Code.....	Insibilat	Insidiat	Insidios	Insiege
Numbers.....	<b>216</b>	<b>218</b>	<b>220</b>	<b>222</b>
Quarts.....	10	12	16	20
Inches.....	10½x7¾	11½x7¾	12½x8	13¾x8¾
Weight per doz., lbs.....	36	.....	60	.....
Per dozen.....	<b>\$36.00</b>	42.00	48.00	57.00
Case lots, doz.....	1	½	½	½
Weight per case, lbs.....	.....	.....	.....	73
Shipping measure per case, cubic feet.....	10	8½	9½	11



# CONVEX SAUCE POT.

ENAMELED COVERS. SEAMLESS.

Code.....	Insignibo	Insignuent	Insihend	Insilitor
Numbers.....	<b>2161</b>	<b>2181</b>	<b>2201</b>	<b>2221</b>
Quarts.....	10	12	16	20
Inches.....	10½x7¾	11½x7¾	12½x8	13¾x8¾
Wt. per doz., lbs..	.....	.....	.....	.....
Per dozen.....	<b>\$42.00</b>	48.00	54.00	63.00
Case lots, doz.....	1	½	½	½
Wt. per case, lbs..	.....	.....	.....	73
Shipping measure per case, cubic feet.... }	10	8½	9½	11

**STRAIGHT SAUCE POTS.**

WITHOUT COVERS. SEAMED.

Code.....	Insinuato	Inspide
Numbers.....	<b>016</b>	<b>018</b>
Quarts.....	3	4
Inches.....	6 $\frac{3}{4}$ x5 $\frac{1}{2}$	7 $\frac{1}{2}$ x6
Weight per doz., lbs.....	9	12
Per dozen.....	\$11.00	13.00
Case lots, doz.....	2	2
Weight per case, lbs.....	.....	44
Shipping measure per case, cubic feet.	8	5 $\frac{1}{2}$



Code.....	Insipient	Insistant	Insistimo	Insitorum	Inslage	Insnared	Insobrios
Numbers.....	<b>020</b>	<b>022</b>	<b>024</b>	<b>026</b>	<b>028</b>	<b>030</b>	<b>032</b>
Quarts.....	6	8	10	12	16	20	24
Inches.....	8 $\frac{3}{8}$ x6 $\frac{3}{8}$	9 $\frac{1}{4}$ x7 $\frac{1}{2}$	10 $\frac{1}{4}$ x7 $\frac{1}{2}$	11 $\frac{1}{8}$ x8 $\frac{3}{8}$	12x9	12 $\frac{3}{4}$ x9 $\frac{5}{8}$	13 $\frac{1}{4}$ x10 $\frac{3}{4}$
Weight per doz., lbs.....	15	22 $\frac{1}{2}$	30	36	40 $\frac{1}{2}$	48 $\frac{1}{2}$	58
Per dozen.....	\$15.00	18.00	21.00	24.00	30.00	33.00	39.00
Case lots, doz.....	1	1	1	1	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Weight per case, lbs.....	.....	75	82	90	60	66	87
Shipping measure per case, cubic feet.	7	8 $\frac{1}{8}$	9 $\frac{1}{4}$	12 $\frac{1}{2}$	8 $\frac{1}{3}$	9 $\frac{1}{6}$	10 $\frac{1}{4}$

**STRAIGHT SAUCE POTS.**

TIN COVERS. SEAMLESS.

Code.....	Insoffern	Insoffrid
Numbers.....	<b>10</b>	<b>20</b>
Quarts.....	1	2
Inches.....	5 $\frac{1}{8}$ x3 $\frac{1}{2}$	6x4
Weight per doz., lbs.....	10	12
Per dozen.....	\$10.00	12.00
Case lots, doz.....	3	3
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.	.....	.....



Code.....	Insognave	Insolabit	Insolamo	Insolcher	Insolent	Insolfast	Insolfiam	Insolita
Numbers.....	<b>30</b>	<b>40</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>	<b>160</b>	<b>200</b>
Quarts.....	3	4	6	8	10	12	16	20
Inches.....	7x4 $\frac{7}{8}$	7 $\frac{1}{2}$ x5 $\frac{1}{8}$	8 $\frac{1}{2}$ x6	9 $\frac{1}{4}$ x6 $\frac{3}{4}$	10 $\frac{1}{4}$ x7 $\frac{1}{2}$	11 $\frac{1}{2}$ x8 $\frac{1}{2}$	12 $\frac{3}{4}$ x8 $\frac{7}{8}$	13x9
Weight per doz., lbs.....	18	22	24	34	40	42	49	55
Per dozen.....	\$15.00	18.00	24.00	30.00	36.00	42.00	48.00	54.00
Case lots, doz.....	2	2	1	1	1	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Weight per case, lbs.....	.....	.....	.....	65	.....	.....	.....	.....
Ship. measure per case, cubic ft.	.....	.....	7 $\frac{1}{2}$	8 $\frac{1}{3}$	9 $\frac{1}{4}$	8 $\frac{1}{4}$	8 $\frac{2}{3}$	9 $\frac{1}{2}$



## STRAIGHT SAUCE POT<sup>S</sup>.

ENAMELED COVERS. SEAMLESS.

Code.....	Insollist	Insolute
Numbers.....	<b>101</b>	<b>201</b>
Quarts.....	1	2
Inches.....	5½x3½	6x4
Weight per doz., lbs.....	10	12
Per dozen.....	\$12.00	15.00
Case lots, doz.....	3	3
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....

Code.....	Insomnia	Insonamut	Insonder	Insontius	Insopito
Numbers.....	<b>801</b>	<b>401</b>	<b>601</b>	<b>801</b>	<b>1001</b>
Quarts.....	3	4	6	8	10
Inches.....	7x4¾	7½x5½	8½x6	9¼x6¾	10¼x7½
Weight per doz. lbs.....	18	22	24	34	40
Per dozen.....	\$18.00	21.00	28.00	34.00	40.00
Case lots, doz.....	2	2	1	1	1
Weight per case, lbs.....	.....	.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	7½	8½	9¼

## COVERED STOVE POT<sup>S</sup>.

ENAMELED COVERS. SEAMLESS. FLAT BOTTOMS.

Code.....	Insordid	Insopeti	Inspirati	Inesperger
Numbers.....	<b>7061</b>	<b>7071</b>	<b>7081</b>	<b>7091</b>
Quarts.....	7	9	14	20
Inches.....	8x7½	9x8	10¼x8½	11¾x9
Weight per doz., lbs.....	30	39	48	54
Per dozen.....	\$36.00	42.00	54.00	66.00
Case lots, doz.....	1	1	1	½
Wt. per case, lbs.....	67	.....	.....	85
Shipping measure per case, cubic feet.....	.....	.....	10½	8½



## COFFEE URNS OR SOUP STOCK POT<sup>S</sup>.

TIN COVERS. SEAMED. WITHOUT FAUCETS.

Code.....	Inspersite	Inspiraba	Inspiron
Numbers.....	<b>6</b>	<b>12</b>	<b>18</b>
Gallons.....	3	6	9
Inches.....	10½x10¼	11¾x13½	13¼x19½
Weight per doz., lbs.....	54	76	198
Per dozen.....	\$48.00	72.00	96.00
Case lots, doz.....	¼	¼	¼
Weight per case, lbs.....	.....	.....	.....
Shipping measure per case, cubic feet.....	.....	.....	.....



## SOUP STOCK POT<sup>S</sup>.

TIN COVERS. SEAMLESS. WITHOUT FAUCETS.

Code.....	Inspoliante	Inspugent	Insputand	Installon
Numbers.....	<b>212</b>	<b>218</b>	<b>224</b>	<b>286</b>
Gallons.....	3¾	4¾	6	9
Inches.....	10½x10¼	11¼x11½	13x11¾	15x14
Wt. per doz., lbs.....	84	96	144	222
Per dozen.....	\$84.00	96.00	108.00	132.00
Case lots, doz.....	½	½	½	½
Wt. per case, lbs.....	25	28	31	35
Shipping measure per case, cu. ft.....	2½	3	3½	3½



**SOUP STOCK POTS.**

TIN COVERS. SEAMLESS. WITH FAUCETS.

Code .....	Instante	Instaturo	Instauros	Instellis
Numbers.....	<b>312</b>	<b>318</b>	<b>324</b>	<b>336</b>
Gallons.....	3 $\frac{3}{4}$	4 $\frac{3}{4}$	6	9
Inches.....	10 $\frac{1}{2}$ x10 $\frac{1}{4}$	11 $\frac{1}{4}$ x11 $\frac{1}{8}$	13x11 $\frac{3}{4}$	15x14
Wt. per doz., lbs.	114	126	174	252
Per dozen.....	\$84.00	96.00	108.00	132.00
Case lots, doz.....	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$
Wt. per case, lbs.	26	29	32	36
Shipping measure per case, cu. ft. ....	2 $\frac{5}{8}$	3	3 $\frac{1}{3}$	3 $\frac{7}{12}$

Add for 1-inch Brass Faucets \$24.00 per dozen, net.

**BREAD RAISERS.**

VENTILATED TIN COVERS. DEEP. WITH FEET.

Code.....	Insterne	Instibori	Instigamo	Instigandi
Numbers .....	<b>10</b>	<b>14</b>	<b>17</b>	<b>21</b>
Quarts.....	10	14	17	21
Inches.....	15	16	18	19 $\frac{1}{2}$
Weight per doz., lbs.	48	54	63	78
Per dozen .....	\$39.00	45.00	54.00	60.00
Case lots, doz.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Weight per case, lbs.	.....	.....	.....	.....
Ship. meas. per case, cu. ft. ....	.....	.....	.....	.....

**BREAD RAISERS.**

VENTILATED ENAMELED COVERS. DEEP. WITH FEET.

Code.....	Instigaret	Instillad	Instimola	Instingo
Numbers .....	<b>101</b>	<b>141</b>	<b>171</b>	<b>211</b>
Quarts.....	10	14	17	21
Inches.....	15	16	18	19 $\frac{1}{2}$
Weight per doz., lbs.	48	54	63	78
Per dozen .....	\$48.00	54.00	63.00	72.00
Case lots, doz.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Weight per case, lbs.	.....	.....	.....	.....
Ship. meas. per case, cu. ft. ....	.....	.....	.....	.....

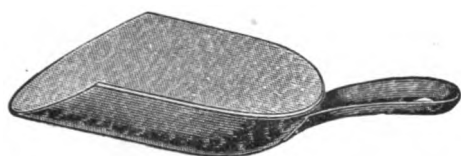
**SAUCERS.**

Code .....	Instipulo	Institors	Instradin	Instragol
Numbers.....	<b>100</b>	<b>110</b>	<b>111</b>	<b>112</b>
Inches.....	5x $\frac{5}{8}$	5 $\frac{3}{4}$ x3 $\frac{3}{4}$	6 $\frac{1}{2}$ x7 $\frac{3}{8}$	6 $\frac{3}{4}$ x1
Weight per doz., lbs....	.....	1 $\frac{3}{4}$	2 $\frac{3}{4}$	3 $\frac{3}{4}$
Per dozen.....	\$.....	3.00	3.25	3.50
Case lots, doz.....	12	12	12	12
Weight per case, lbs....	.....	31	46	60
Ship. measure per case, cu. ft.	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$



# CROCERS' SCOOPS.

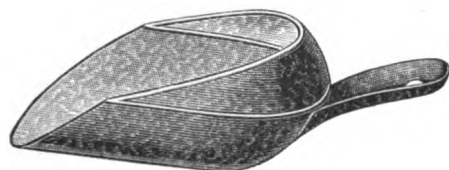
## OPEN.



Code .....	Instrenut	Instruit	Instupen
Numbers.....	<b>3</b>	<b>4</b>	<b>5</b>
Inches.....	7 3/4 x 5 1/4	9 x 6 1/2	10 1/4 x 7 3/4
Weight per doz., lbs.....	.....	.....	.....
Per dozen.....	<b>\$12.00</b>	13.00	15.00
Case lots, doz.....	3	3	3
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft...	.....	.....	.....

# CROCERS' SCOOPS.

## COVERED.



Code .....	Insuccor	Insudandi	Insuerite
Numbers .....	<b>30</b>	<b>40</b>	<b>50</b>
Inches.....	7 3/4 x 5 1/4	9 x 6 1/2	10 1/4 x 7 3/4
Weight per doz., lbs .....	.....	.....	.....
Per dozen.....	<b>\$14.50</b>	16.00	19.00
Case lots, doz.....	3	3	3
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft.	.....	.....	.....

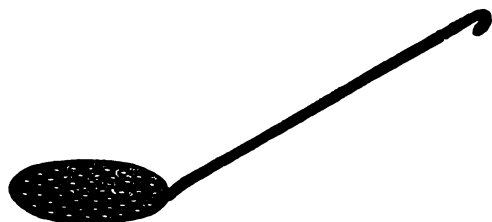
# THUMB SCOOPS.



Code.....	Insularo	Insulate
Numbers.....	<b>1</b>	<b>2</b>
Inches.....	6 x 3 1/2	7 1/2 x 4
Weight per doz., lbs.....	1 1/2	4
Per dozen .....	<b>\$4.50</b>	5.00
Case lots, doz.....	6	6
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet....	.....	.....

# FLAT SKIMMERS.

## FLAT HANDLES.

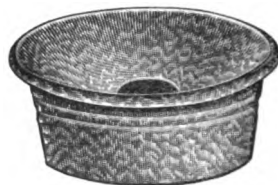


Code .....	Insulant	Insulture
Numbers .....	<b>9</b>	<b>10</b>
Inches.....	4 1/4	4 1/2
Weight per doz., lbs.....	4	5
Per dozen.....	<b>\$3.25</b>	3.50
Case lots, doz.....	6	6
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet...	.....	.....

Code .....	Insumete	Insuperba	Insurgent	Insurrot
Numbers .....	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
Inches.....	4 3/4	5	5 1/2	5 3/4
Weight per doz., lbs.....	6	6	6	6
Per dozen.....	<b>\$3.75</b>	4.00	4.50	5.00
Case lots, doz.....	6	6	6	6
Weight per case, lbs.....	.....	.....	.....	.....
Shipping measure per case, cubic feet....	.....	.....	.....	.....

**SPITTOONS.**

Code .....	Intabuid	Intactim
Numbers .....	<b>20</b>	<b>80</b>
Inches.....	9 1/4 x 5	10 1/4 x 5 1/2
Weight per doz., lbs.....	21	30
Per dozen.....	\$18.00	24.00
Case lots, doz.....	1	1
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet .....	.....	.....

**BASTING SPOONS.**

Code.....	Intagliar	Intalenti
Numbers.....	<b>10</b>	<b>12</b>
Weight per doz., lbs.....	2 1/2	2 3/4
Per dozen .....	\$2.75	3.00
Case lots, doz.....	12	12
Weight per case, lbs.....	42	46
Shipping measure per case, cubic feet....	1	1



Code.....	Intamolar	Intangible	Intarsior	Intasatur
Numbers.....	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>
Inches.....	3	3 1/2	4	5
Weight per doz., lbs.....	.....	.....	.....	.....
Per dozen .....	\$3.50	4.00	4.50	5.50
Case lots, doz.....	12	12	12	12
Weight per case, lbs.....	49	57	63	75
Shipping measure per case, cubic feet .....	1	1 1/2	1 3/4	1 1/2

**FLOUR, SUGAR OR LARD STANDS.****TIN COVERS.**

Code.....	Intaschie	Integama	Integral
Numbers .....	<b>1</b>	<b>2</b>	<b>8</b>
Gallons.....	3	6	9
Pounds, flour .....	15	25	50
Inches .....	10 3/4 x 10 1/4	11 3/8 x 13 1/8	13 1/4 x 19 1/4
Weight per doz., lbs.....	45	51	90
Per dozen .....	\$18.00	72.00	96.00
Case lots, doz.....	1/4	1/4	1/2
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft. ....	.....	.....	6 1/4

**STEAMERS.****TIN COVERS.**

Code.....	Integrator	Intelain	Intelieto
Numbers .....	<b>6</b>	<b>7</b>	<b>8</b>
Inches.....	8 1/2	9 1/2	10 1/2
Weight per doz., lbs.....	20	24	30
Per dozen .....	\$.....	.....	.....
Case lots, doz.....	1	1	1
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft.....	.....	.....	.....







## STEAMERS.

### ENAMELED COVERS.

Code.....	Intelligi	Intemerat	Intempell	Intempero
Numbers .....	<b>61</b>	<b>71</b>	<b>81</b>	<b>91</b>
Inches.....	8½	9½	10½	11¼
Wt. per doz., lbs.....	20	24	30	36
Per dozen.....	\$24.00	27.00	30.00	33.00
Case lots, doz.....	1	1	1	1
Wt. per case, lbs.....	.....	.....	.....	.....
Shipping measure per } case, cubic feet..... }	.....	.....	.....	.....



## TEA STEEPERS.

### TIN COVERS. SEAMLESS. LOW PATTERN.

Code.....	Intender
Number .....	<b>1</b>
Pint.....	1
Inches.....	4x2½
Weight per doz., lbs.....	6
Per dozen .....	\$8.00
Case lots, doz.....	3
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	1¼



## GRAVY STRAINERS.

Code.....	Intendimo
Number.....	<b>2</b>
Inches .....	4¼ x 1½
Weight per doz., lbs.....	.....
Per dozen.....	\$5.00
Case lots, doz.....	12
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....



## SOUP STRAINERS.

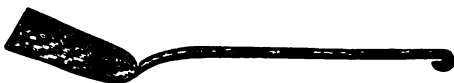
### PERFORATED TIN BOTTOMS.

Code.....	Intenebris	Intensite	Intentami
Numbers.....	<b>81</b>	<b>82</b>	<b>83</b>
Inches.....	7½ x 3¼	8 x 3¼	9½ x 3¼
Weight per doz., lbs.....	.....	.....	.....
Per dozen.....	\$12.00	13.50	15.00
Case lots, doz.....	3	3	3
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft..	.....	.....	.....

## CAKE TURNERS.

### FLAT HANDLES.

Code.....	Intep:bos	Interbibe
Numbers.....	<b>13</b>	<b>14</b>
Inches.....	3½ x 3	4½ x 3¼
Weight per doz., lbs.....	3	3½
Per dozen .....	\$3.50	4.00
Case lots, doz.....	6	6
Weight per case, lbs.....	30	30
Shipping measure per case, cubic feet..	.....	.....



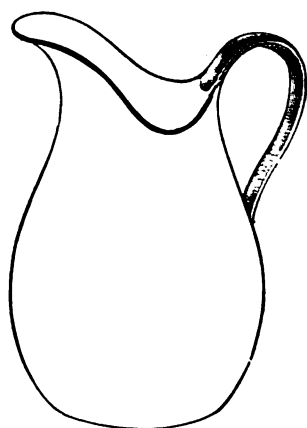
OVAL SOUP TUREENS.

WOOD HANDLES.

Code.....	Intercede	Intercept	Intercist
Numbers .....	20	30	40
Quarts.....	4½	6	9½
Weight per doz., lbs.....	30	42	54
Per dozen.....	\$45.00	51.00	57.00
Case lots, doz.....	1	1	1
Weight per case, lbs.....	.....	.....	.....
Ship. meas. per case, cu. ft.....	.....	.....	.....



SECTION 19.  
WHITE ENAMELED WARE  
AND  
SEAMLESS IVORY ENAMELED WARE.  
IN COLORS.



HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK.

## WHITE ENAMELED WARE.

Articles illustrated under this head are imported German ware of first quality; they are enameled white inside and out, with blue rims and black handles.

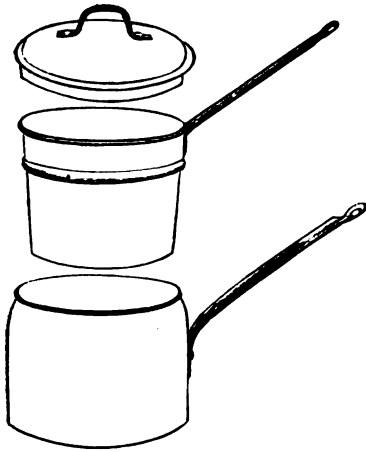
## SEAMLESS IVORY ENAMELED WARE.

The Ivory Enameled Goods illustrated in this section have *Seamless Bodies, Quadruple Coated*, with *Improved Mountings* and *Nickel-Plated Copper Covered Bottoms*. We guarantee it to be the highest grade of Enameled Ware on the market.

In ordering goods from this section it is only necessary to use the code word over the number of the article wanted preceded by words from code in the front of this book.

EXAMPLE:—Cubicados acicate iodina.

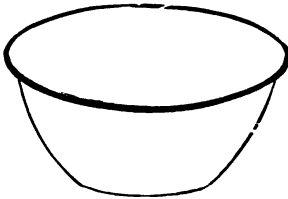
TRANSLATION:—Ship via Southern Pacific railroad four and one-half dozen number twenty-three White Enameled Pie Plates.

**MILK OR RICE BOILERS.**

ENAMELED COVERS.

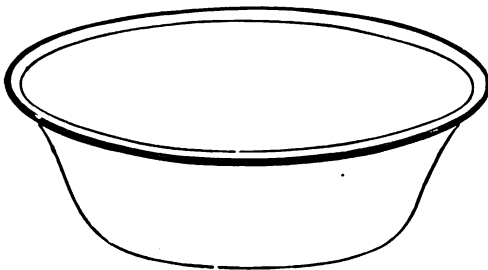
Stock Number **34**.

Code.....	Interchide	Interdate	Interdict
Quarts .....	<b>1½</b>	<b>2</b>	<b>3</b>
Per dozen.....	<b>\$18.90</b>	21.60	27.00
Weight per doz., lbs.....	30	42	57

**BOWLS.**Stock Number **522**.

Code .....	Interdime	Intermit	Interempt	Interfacis
Numbers.....	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>
Diameter, inches .....	<b>4</b>	<b>4¾</b>	<b>5½</b>	<b>6¼</b>
Per dozen.....	<b>\$1.35</b>	1.50	1.80	2.10
Weight per doz., lbs..	<b>2½</b>	3	<b>3¾</b>	5

Code.....	Intericad	Interject	Interjunk
Numbers.....	<b>18</b>	<b>20</b>	<b>22</b>
Diameter, inches.....	<b>7½</b>	<b>8</b>	<b>8¾</b>
Per dozen.....	<b>\$2.55</b>	3.15	3.90
Weight per doz., lbs.....	<b>7½</b>	<b>8¾</b>	11

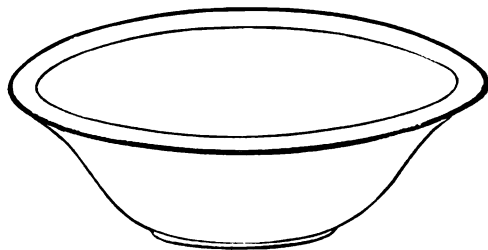
**DEEP BOWLS.**Stock Number **551**.

Code.....	Interknot	Interlace	Interlaps
Numbers.....	<b>20</b>	<b>22</b>	<b>24</b>
Diameter, inches.....	<b>8</b>	<b>8¾</b>	<b>9½</b>
Per dozen.....	<b>\$3.15</b>	3.45	3.90
Weight per doz., lbs.....	<b>6½</b>	8	<b>9½</b>

Code.....	Interlass	Interluck	Intermane	Intermead	Intermica	Interpole
Numbers.....	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>	<b>34</b>	<b>36</b>
Diameter, inches.....	<b>10¼</b>	<b>11</b>	<b>11¾</b>	<b>12¼</b>	<b>13½</b>	<b>14¼</b>
Per dozen.....	<b>\$4.35</b>	4.95	5.55	6.30	7.05	7.80
Weight per doz., lbs.....	<b>14</b>	<b>14½</b>	15	18	<b>22½</b>	24

**WASH BOWLS.**Stock Number **506.**

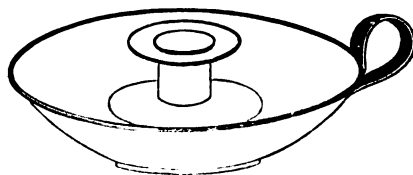
Code.....	Interprim	Interregi
Numbers.....	<b>24</b>	<b>26</b>
Diameter, inches.....	9½	10¼
Per dozen.....	\$2.55	2.85
Weight per doz., lbs.....	8¾	9¼



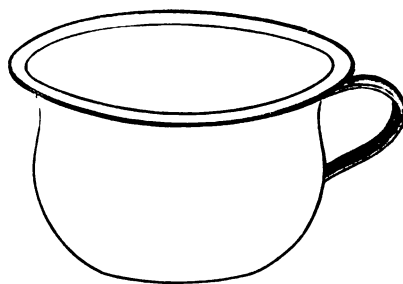
Code.....	Interrome	Intervene	Interzitt	Intibias	Intignar	Intimada
Numbers.....	<b>28</b>	<b>30</b>	<b>32</b>	<b>34</b>	<b>36</b>	<b>38</b>
Diameter, inches.....	11	11¾	13	13½	14½	15½
Per dozen.....	\$3.30	3.60	4.05	4.50	5.25	6.00
Weight per doz., lbs.....	10	12	16	18	24	29

**CANDLESTICKS.**Stock Number **556.**

Code.....	Intonate
Number.....	<b>15</b>
Diameter, inches.....	6
Per dozen.....	\$2.25
Weight per doz., lbs.....	3½

**CHAMBERS.**Stock Number **507.**

Code.....	Intondist	Intorbide	Intorpid	Intorsar
Numbers.....	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>
Diameter, inches.....	7⅞	8	8¾	9½
Per dozen.....	\$4.20	4.50	5.40	6.30
Weight per doz., lbs...	9	12	15	18

**CHAMBER COVERS.**Stock Number **530.**

Code.....	Intortion	Intoxica	Intozzine	Intrabest
Numbers.....	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>
Diameter, inches.....	7⅞	8	8¾	9½
Per dozen.....	\$2.40	2.55	2.70	3.00
Weight per doz., lbs...	5	7	9	12



**SAUCE PAN COVERS.**

FIT SAUCE PANS OF SAME NUMBER.

Stock Number 4.



Code .....	Intradire	Intrappe	Intrefoli
Numbers.....	<b>12</b>	<b>14</b>	<b>16</b>
Diameter, inches.....	4¾	5½	6¼
Per dozen.....	\$1.00	1.30	1.45

Code .....	Intregato	Intribuno	Intridont	Intrigue	Intriserit	Intriton	Introdire
Numbers.....	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>
Diameter, inches.....	7½	8	8¾	9½	10¼	11	11¾
Per dozen.....	\$1.65	1.80	2.20	2.55	2.90	3.45	4.15

**CHOCOLATE CUPS.**

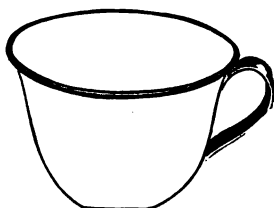
Stock Number 588.



Code .....	Introfer
Number .....	<b>5</b>
Diameter, inches.....	2
Per dozen.....	\$1.20
Weight per doz., lbs.....	1½

**DRINKING CUPS.**

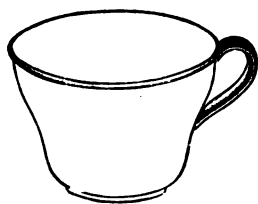
Stock Number 508.



Code .....	Intromist	Intronent	Intrusion	Intufate
Numbers .....	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
Diameter, inches.....	3½	3½	4	4¾
Per dozen.....	\$1.65	1.80	1.95	2.25
Weight per doz., lbs.	2	2½	3	3½

**MOCCA CUPS.**

Stock Number 501.



Code .....	Intumend	Inturbate	Inumbrati	Inumidir
Numbers.....	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
Diameter inches....	3½	3½	4	4¾
Per dozen.....	\$1.65	1.80	1.95	2.25
Wt. per doz., lbs...	2¼	2½	3	4

**ORIENTAL CUPS.**

Stock Number 181.



Code .....	Inundate
Number.....	<b>5½</b>
Diameter, inches.....	3
Per dozen.....	\$1.35
Weight per doz., lbs.....	1½

**OVAL DISHES.**

Stock Number 547.

Code.....	Inurgent
Number.....	<b>26</b>
Length, inches.....	10¼
Per dozen.....	<b>\$3.00</b>
Weight per doz., lbs.....	5

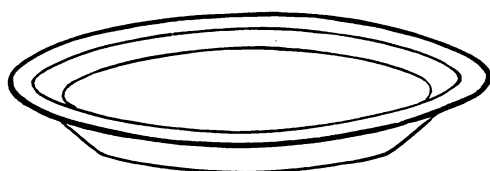


Code.....	Inurban	Inusitad	Invadeba	Invadimo	Invalend
Numbers.....	<b>30</b>	<b>35</b>	<b>40</b>	<b>48</b>	<b>56</b>
Length, inches.....	11¾	13¾	15¾	18¾	22
Per dozen.....	<b>\$3.90</b>	4.80	6.00	8.40	11.40
Weight per doz., lbs.....	7	10	12½	20	27

**ROUND DISHES.**

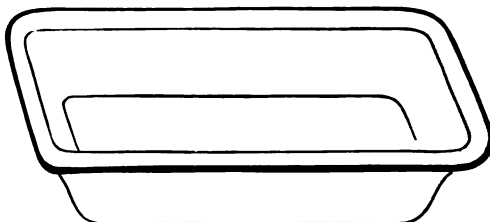
Stock Number 525.

Code.....	Invalidor	Invallers	Invalorit
Numbers.....	<b>28</b>	<b>32</b>	<b>36</b>
Diameter, inches.....	11	12½	14¼
Per dozen.....	<b>\$3.30</b>	3.90	4.80
Weight per doz., lbs.....	9	13	16

**OBLONG PUDDING DISHES.**

Stock Number 517.

Code.....	Invaluiet
Number.....	<b>24</b>
Length inches.....	9½
Per dozen.....	<b>\$2.85</b>
Weight per doz., lbs.....	7½

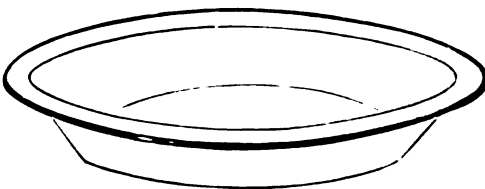


Code.....	Invasator	Invasion	Invasore	Invated	Invective	Invegent
Numbers.....	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>	<b>34</b>	<b>36</b>
Length, inches.....	10¼	11	11¾	12½	13½	14¼
Per dozen.....	<b>\$3.15</b>	3.45	3.90	4.50	5.40	6.30
Weight per doz., lbs.....	8½	11	13	14½	17	20

**OVAL PUDDING DISHES.**

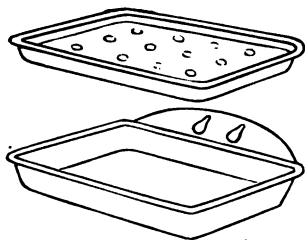
Stock Number 547.

Code.....	Inveghne	Invehist	Invehond
Numbers.....	<b>20</b>	<b>22</b>	<b>24</b>
Length, inches.....	8	8¾	9½
Per dozen.....	<b>\$2.10</b>	2.40	2.70
Weight per doz., lbs.....	3½	5	5½

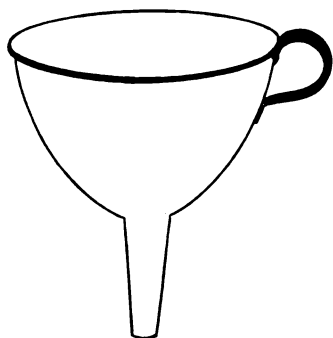


Code.....	Inveigh	Inveigled	Invelinit	Invenible	Invenist	Invenitur
Numbers.....	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>	<b>34</b>	<b>36</b>
Length, inches.....	10¼	11	11¾	12½	13½	14¼
Per dozen.....	<b>\$3.00</b>	3.30	3.60	4.50	5.40	6.60
Weight per doz., lbs.....	7½	8	10	11½	13	14½

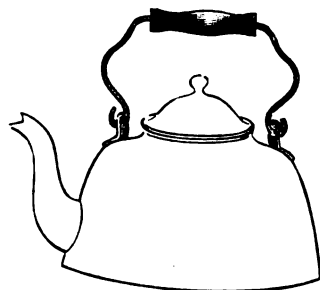


**OBLONG SOAP DISHES.**Stock Number **511½**.

Code .....	Inventair
Inches.....	<b>4x5½</b>
Per dozen.....	<b>\$2.70</b>
Weight per doz., lbs.....	<b>4</b>

**FUNNELS.**Stock Number **64**.

Code.....	Inventors	Inverdiam	Inverdisto	Inverger
Numbers.....	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>
Diameter, inches.....	<b>3½</b>	<b>4</b>	<b>4¾</b>	<b>5½</b>
Per dozen.....	<b>\$2.00</b>	<b>2.35</b>	<b>2.70</b>	<b>3.25</b>
Wt. per doz., lbs.....	<b>1½</b>	<b>2</b>	<b>2½</b>	<b>3½</b>

**TEA KETTLES.**Stock Number **59**.

Code.....	Inverghin	Inverdate	Inverniza
Numbers.....	<b>14</b>	<b>16</b>	<b>18</b>
Quarts .....	<b>¾</b>	<b>1¾</b>	<b>2</b>
Bottom diameter, inches.....	<b>5½</b>	<b>6¼</b>	<b>7¾</b>
Per dozen.....	<b>\$9.75</b>	<b>10.80</b>	<b>13.00</b>
Weight per doz., lbs.....	<b>11</b>	<b>13</b>	<b>16</b>

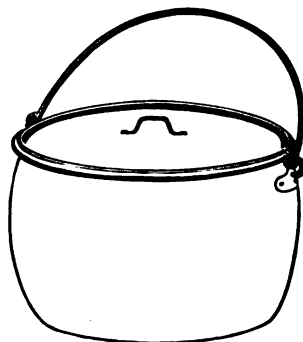
Code.....	Inversed	Inverteba	Invertimo	Invested
Numbers.....	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>
Quarts .....	<b>3</b>	<b>4</b>	<b>5</b>	<b>7</b>
Bottom diameter, inch...	<b>8</b>	<b>8¾</b>	<b>9½</b>	<b>10¼</b>
Per dozen.....	<b>\$15.15</b>	<b>17.30</b>	<b>19.45</b>	<b>21.60</b>
Weight per doz., lbs.....	<b>20</b>	<b>24</b>	<b>31</b>	<b>39</b>

**BERLIN KETTLES.**

ENAMELED COVERS.

Stock Number **24.**

Code.....	Investigo	Investime	Inviarod	Inviator
Numbers.....	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>
Quarts.....	2	3	5	6
Diameter, inches.....	6¼	7½	8	8¾
Per dozen.....	\$8.65	10.30	12.45	15.15
Weight per doz., lbs.....	12	15	18	21



Code.....	Invictos	Invintern	Invidiste	Invigilor
Numbers.....	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>
Quarts.....	8	10	12	14
Diameter, inches.....	9½	10¼	11	11¾
Per dozen.....	\$17.90	21.10	25.95	29.70
Weight per doz., lbs.....	29	37	45	57

**LADLES.**Stock Number **549.**

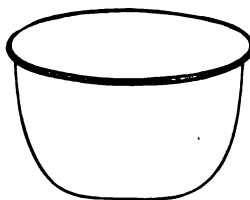
Code.....	Invincido	Inviolable	Invipera
Numbers.....	<b>7</b>	<b>8</b>	<b>9</b>
Diameter, inches.....	2¾	3½	3½
Per dozen.....	\$1.35	1.50	1.65
Weight per doz., lbs.....	1¼	1½	1¾



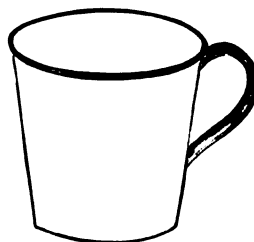
Code.....	Invironat	Invirtude	Invisitate
Numbers.....	<b>10</b>	<b>11</b>	<b>12</b>
Diameter, inches.....	4	4¾	4¾
Per dozen.....	\$1.80	2.10	2.40
Weight per doz., lbs.....	2	2¼	2½

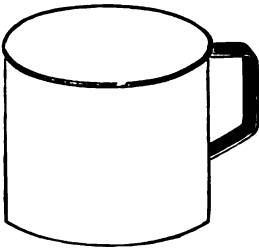
**PUDDING MOULDS.**Stock Number **559.**

Code.....	Invisive	Invisume	Invitaber
Numbers.....	<b>10</b>	<b>11</b>	<b>12</b>
Diameter, inches.....	4	4¾	4¾
Per dozen.....	\$1.65	1.80	2.10
Weight per doz., lbs.....	3	4	4½

**COMMON MUGS.**Stock Number **536.**

Code.....	Invitamur	Invitande	Invitanam
Numbers.....	<b>7</b>	<b>8</b>	<b>9</b>
Top diameter, inches.....	2¼	3½	3½
Per dozen.....	\$1.80	2.10	2.40
Weight per doz., lbs.....	2½	3	4

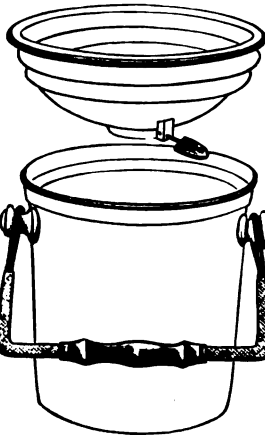


**STRAIGHT MUGS.**Stock Number **518.**

Code.....	Invitaret	Invitast	Invitatur	Invitavet	Invitera
Numbers.....	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
Diameter, inches.	3¼	3½	4	4¾	4¾
Per dozen.....	\$1.80	2.10	2.40	2.70	3.15
Wt. per doz., lbs..	3½	4½	6	8	9

**CHAMBER PAILS.**Stock Number **60.**

Code .....	Invitevo
Number.....	<b>28</b>
Quarts .....	14
Top diameter, inches .....	11
Per dozen.....	\$34.20
Weight per doz., lbs.....	66

**CHAMBER PAILS.**

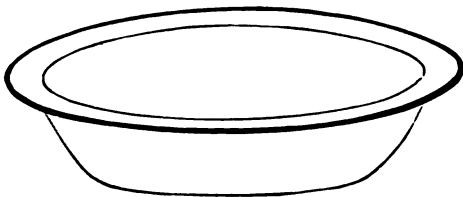
WITH WICKER HANDLES AND VALVES.

Stock Number **62.**

Code .....	Inviton
Number.....	<b>26</b>
Quarts .....	12
Top diameter, inches .....	10¼
Per dozen.....	\$45.90
Weight per doz., lbs.....	65

**FLARING MILK PANS.**Stock Number **555.**

Code .....	Inviziate	Invizzite
Numbers .....	<b>18</b>	<b>20</b>
Quarts .....	1	1½
Top diameter, inches .....	7½	8
Per dozen.....	\$2.25	2.40
Weight per doz., lbs.....	4	4½

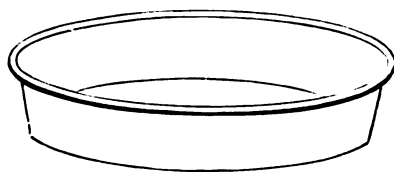


Code .....	Invocaba	Invocamis	Invocandi	Invocares	Invocator	Invocavit
Numbers .....	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>
Quarts.....	2	3	3½	4	5	6
Top diameter, inches .....	8¾	9½	10¼	11	11¾	12½
Per dozen.....	\$2.70	3.00	3.45	3.90	4.50	5.10
Weight per doz., lbs.....	5½	7½	9	10½	11	13½

**STRAIGHT MILK PANS.**

Stock Number 78.

Code .....	Invochia	Invoert
Numbers .....	<b>16</b>	<b>20</b>
Quarts .....	$\frac{1}{2}$	2
Top diameter, inches .....	$6\frac{1}{4}$	8
Per dozen .....	\$2.20	3.60
Weight per doz., lbs. ....	5	$7\frac{1}{2}$

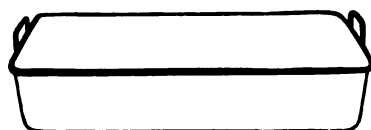


Code.....	Invoglia	Invoglios	Involabis	Involatur	Involgeve	Involgiam	Involgone
Numbers.....	<b>24</b>	<b>26</b>	<b>28</b>	<b>32</b>	<b>34</b>	<b>36</b>	<b>38</b>
Quarts.....	3	4	5	6	8	10	12
Top diameter, inches.....	$9\frac{1}{2}$	$10\frac{1}{4}$	11	$12\frac{1}{2}$	$13\frac{1}{2}$	$14\frac{1}{4}$	15
Per dozen .....	\$4.35	4.70	5.05	6.70	7.40	8.30	9.90
Weight per doz., lbs.....	12	15	16	24	25	26	29

**ROAST PANS.**

Stock Number 35.

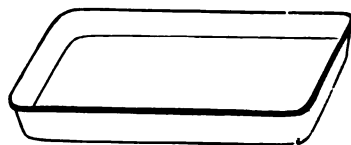
Code.....	Involitos	Involpere	Involpist	Involtom	Involucra
Numbers .....	<b>28</b>	<b>32</b>	<b>36</b>	<b>40</b>	<b>44</b>
Length, in.....	11	$12\frac{1}{2}$	$14\frac{1}{4}$	$15\frac{3}{4}$	$17\frac{3}{4}$
Per dozen .....	\$14.40	17.10	20.70	24.30	26.10
Wt. per doz., lbs..	20	24	30	38	46

**STERILIZING PANS.**

NO HANDLES.

Stock Number 36.

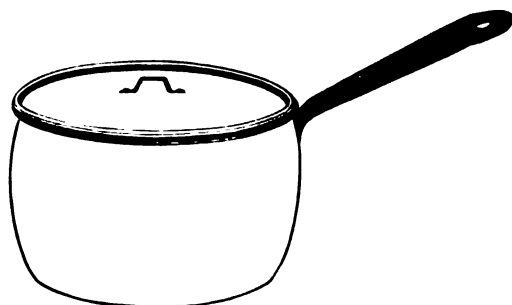
Code.....	Involutan	Involves	Involvito	Invoquat	Invordere
Numbers .....	<b>24</b>	<b>28</b>	<b>32</b>	<b>36</b>	<b>40</b>
Length, in.....	$9\frac{1}{2}$	11	$12\frac{1}{2}$	$14\frac{1}{4}$	$15\frac{3}{4}$
Per dozen .....	\$10.80	13.50	15.30	18.90	22.50
Wt. per doz., lbs.	.....	.....	.....	.....	.....

**BERLIN SAUCE PANS.**

ENAMELED COVERS.

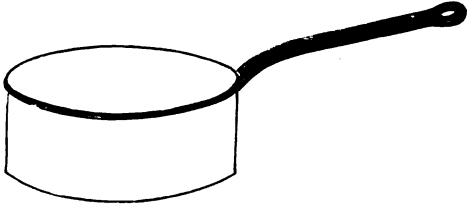
Stock Number 23.

Code .....	Innullin	Inward	Inwartige	Inwasse
Numbers.....	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>
Quarts.....	3	5	6	8
Diameter, inches....	$7\frac{1}{8}$	8	$8\frac{3}{4}$	$9\frac{1}{2}$
Per dozen.....	\$11.90	14.40	17.30	19.80
Weight per doz., lbs.	15	18	21	29



**FRENCH SAUCE PANS.**

Stock Number 1.

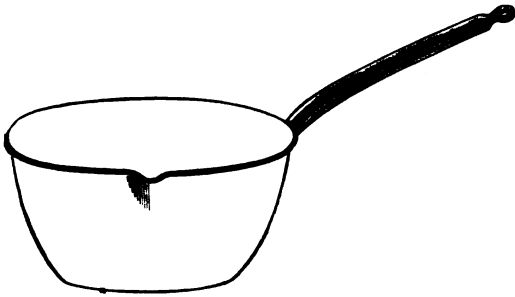


Code.....	Inwentel	Inwirmet
Numbers.....	<b>14</b>	<b>16</b>
Quarts.....	1½	2
Diameter, inches.....	5½	6¼
Height, inches.....	3½	3¾
Per dozen .....	\$3.25	4.15
Weight per doz., lbs.....	9	10

Code.....	Inwoele	Inwohn	Inworked	Inzages
Numbers.....	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>
Quarts.....	3	4	5	6
Diameter, inches.....	7¼	8	8¾	9½
Height, inches.....	4	4	4¼	4½
Per dozen .....	\$4.95	5.80	7.40	9.00
Weight per doz., lbs.....	12	14	16	18

**LIPPED SAUCE PANS.**

Stock Number 3.

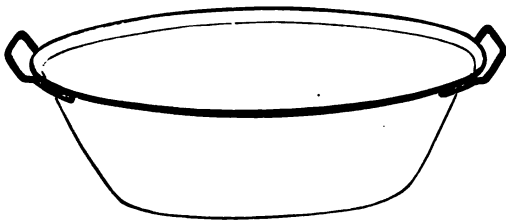


Code.....	Inzameld	Inzavard
Numbers.....	<b>12</b>	<b>14</b>
Quart.....	¾	1
Inches.....	5x2½	5½x2¾
Per dozen .....	\$2.35	2.90
Weight per doz., lbs.....	13¼	14½

Code.....	Inzegene	Inzeppar	Inzeppine	Inzeppot	Inzichte
Numbers.....	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>
Quarts.....	1½	2	2½	3½	4½
Inches.....	6¼x3¼	7½x3¼	8x3½	8½x3¾	9½x4½
Per dozen.....	\$3.60	4.50	5.40	6.50	7.75
Weight per doz., lbs.....	15	16	22	25	31

**OVAL DISH PANS.**

Stock Number 535.

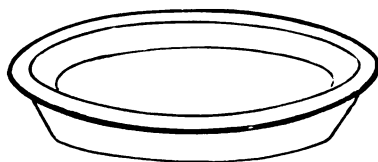


Code.....	Inzigart	Inzigat's
Numbers.....	<b>29</b>	<b>32</b>
Length, inches.....	11¾	12½
Per dozen.....	\$7.80	8.70
Weight per doz., lbs.....	15	18

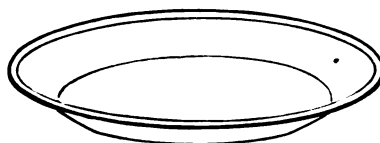
Code.....	Inzigher	Inzighit	Inzipille	Inzoete	Inzotich	Inzoute
Numbers.....	<b>35</b>	<b>38</b>	<b>42</b>	<b>46</b>	<b>50</b>	<b>54</b>
Length, inches.....	13¾	15	16½	18½	19¾	21¼
Per dozen.....	\$9.60	10.80	12.00	14.10	16.20	19.20
Weight per doz., lbs.....	24	27	36	42	48	60

**PIE PLATES.**Stock Number **554.**

Code.....	Inzuppet
Number.....	<b>21</b>
Top diameter, inches.....	<b>8<math>\frac{1}{4}</math></b>
Per dozen.....	<b>\$2.55</b>
Weight per doz., lb.....	<b>5</b>

**PIE PLATES.**Stock Number **68.**

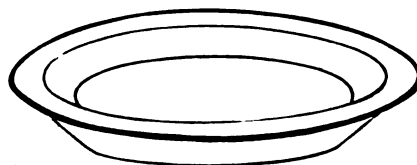
Code.....	Iodina
Number.....	<b>23</b>
Top diameter, inches.....	<b>9</b>
Per dozen.....	<b>\$2.70</b>
Weight per doz., lbs.....	<b>6<math>\frac{1}{4}</math></b>

**DINNER PLATES.**Stock Number **499.**

Code.....	Iodures	Ioforbe	Iogloss	Iomerga
Numbers.....	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>
Top diameter, inches.....	<b>8</b>	<b>8<math>\frac{3}{4}</math></b>	<b>9<math>\frac{1}{2}</math></b>	<b>10<math>\frac{1}{4}</math></b>
Per dozen.....	<b>\$1.35</b>	<b>1.50</b>	<b>1.80</b>	<b>2.10</b>
Weight per doz., lbs.....	<b>3</b>	<b>4<math>\frac{1}{2}</math></b>	<b>5</b>	<b>6</b>

**SOUP PLATES.**Stock Number **489.**

Code.....	Ionidio	Ionische	Iostom
Numbers.....	<b>22</b>	<b>24</b>	<b>26</b>
Top diameter, inches.....	<b>8<math>\frac{3}{4}</math></b>	<b>9<math>\frac{1}{2}</math></b>	<b>10<math>\frac{1}{4}</math></b>
Per dozen.....	<b>\$1.50</b>	<b>1.80</b>	<b>2.10</b>
Weight per doz., lbs.....	<b>4<math>\frac{1}{2}</math></b>	<b>5</b>	<b>6</b>

**EGG PLATES.**Stock Number **9.**

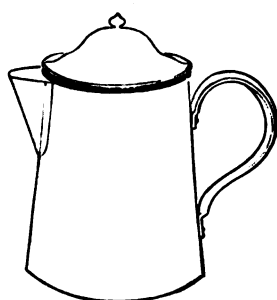
Code.....	Ipagram
Number.....	<b>12</b>
Top diameter, inches.....	<b>4<math>\frac{3}{4}</math></b>
Per dozen.....	<b>\$1.65</b>
Weight per doz., lbs.....	<b>2<math>\frac{1}{2}</math></b>



Code.....	Iparandi	Iperacus	Iperante	Iperbolo
Numbers.....	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>
Top diameter, inches.....	<b>5<math>\frac{1}{2}</math></b>	<b>6<math>\frac{1}{4}</math></b>	<b>7<math>\frac{1}{8}</math></b>	<b>8</b>
Per dozen.....	<b>\$1.00</b>	<b>2.35</b>	<b>2.90</b>	<b>3.25</b>
Weight per doz., lbs.....	<b>3<math>\frac{1}{2}</math></b>	<b>4<math>\frac{1}{4}</math></b>	<b>6<math>\frac{1}{2}</math></b>	<b>8<math>\frac{1}{2}</math></b>

**WATER PITCHERS.**Stock Number **512.**

Code.....	Iperfast	Ipergens	Iperipot	Iperossi
Numbers.....	<b>18</b>	<b>15</b>	<b>17</b>	<b>20</b>
Quarts.....	1½	2½	3½	6
Greatest diameter, inches	5¾	5¾	6¾	8
Per dozen.....	\$7.80	9.30	11.10	16.50
Weight per doz., lbs.....	12	18	24	30

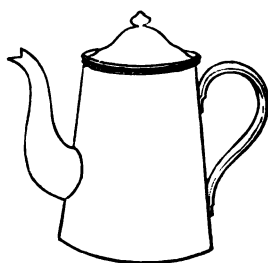
**COFFEE POTS.**

ENAMELED COVERS.

Stock Number **48.**

Code.....	Iperstim
Numbers.....	<b>1</b>
Quarts.....	1
Per dozen.....	\$10.80
Weight per doz., lbs.....	11

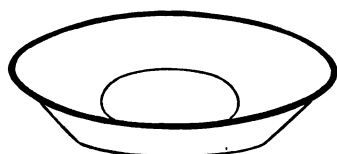
Code.....	Ipertirid	Iper tonic	Ipertrofi	Iphia na
Numbers.....	<b>1½</b>	<b>2</b>	<b>2½</b>	<b>3</b>
Quarts.....	1½	2	2½	3
Per dozen.....	\$12.60	14.40	16.20	18.00
Weight per doz., lbs.....	13	14	15	16

**TEA POTS.**

ENAMELED COVERS.

Stock Number **42.**

Code.....	Iphigeni	Iphikrat	Ipnologi	Ipcarpi
Numbers.....	<b>1</b>	<b>1½</b>	<b>2</b>	<b>3</b>
Quarts.....	1	1½	2	3
Per dozen.....	\$10.80	12.60	14.40	18.00
Weight per doz., lbs....	11	13	15	18

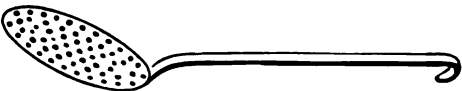
**SAUCERS.**Stock Number **509½.**

Code.....	Ipogalax	Ipolamps	Ippoman	Iposceli
Numbers.....	<b>12</b>	<b>18</b>	<b>14</b>	<b>15</b>
Diameter, inches.....	4¾	5¾	5½	5¾
Per dozen.....	\$1.05	1.15	1.25	1.45
Weight per doz., lbs...	1¾	2	2½	3¾

SKIMMERS.

Stock Number 44½.

Code.....	Irakanit	Irascend
Numbers .....	9	10
Diameter, inches.....	3½	4
Per dozen.....	\$1.50	1.60
Weight per doz., lbs.....	2½	3

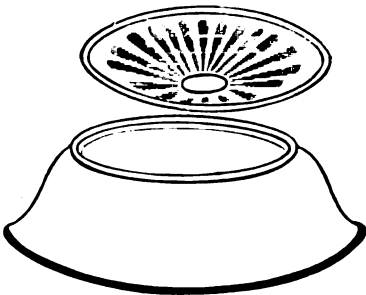


Code.....	Iratamen	Irisaba	Iriscopic	Irradent
Numbers .....	11	12	18	14
Diameter, inches....	4¾	4¾	5½	5½
Per dozen.....	\$1.70	1.85	2.10	2.55
Weight per doz., lbs.....	3½	4	4½	5

SPITTOONS.

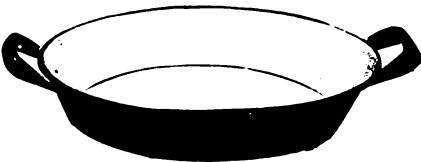
Stock Number 587.

Code .....	Irrelative
Number.....	21
Bottom diameter, inches.....	8¼
Per dozen.....	\$5.40
Weight per doz., lbs.....	12



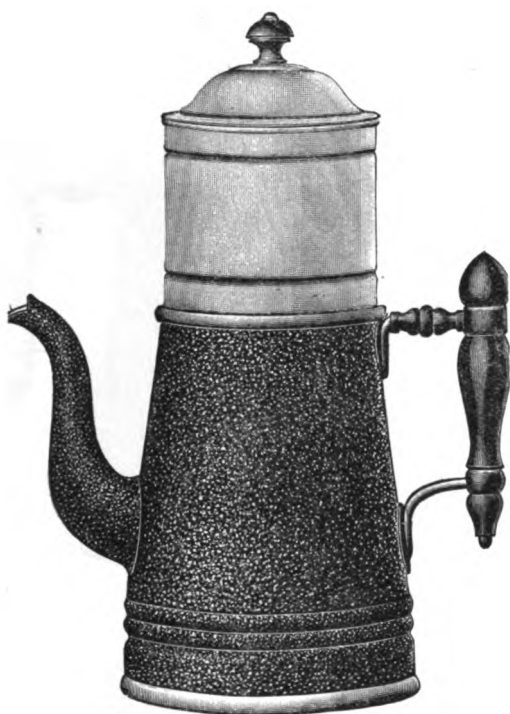
BLUE AND WHITE EGG PLATES.

DEEP. ENAMELED WHITE INSIDE AND BLUE OUTSIDE



Code.....	Irrenown	Irreplete	Irrevoke
Numbers .....	10	20	30
Inches.....	5¼x1¼	6¼x1¼	7¼x1¼
Per dozen.....	\$4.25	5.00	5.75
Weight per doz., lbs.....	2½	3	5





## IVORY ENAMELED COFFEE BIGGINS.

QUADRUPLE COATED. WHITE PORCELAIN INSIDE.

Nickel-Plated Copper Covered Bottoms. Top Protection Bands. Planished Tin Tops. Patent Ebonized Wood Handles. Finished in Turquoise, Chocolate or Inlaid. Sent in assorted colors unless otherwise specified.

Code.....	Irrigando	Irrigator	Irrision	Irritants
Numbers.....	<b>05592</b>	<b>05593</b>	<b>05594</b>	<b>05595</b>
Pints.....	2	3	4	5
Per dozen .....	\$42.00	46.00	50.00	54.00
Weight per doz., lbs....	.....	.....	.....	.....



## IVORY ENAMELED COFFEE POTS.

QUADRUPLE COATED. WHITE PORCELAIN INSIDE.

Nickel-Plated Covers and Nickel-Plated Copper Covered Bottoms. Top Protection Bands. Patent Ebonized Wood Handles. Finished in Turquoise, Chocolate or Inlaid. Sent in assorted colors unless otherwise specified.

Code.....	Irrogaba	Irrogande	Isabelina	Ishtabe	Isidiom
Numbers .....	<b>08561</b>	<b>08562</b>	<b>08563</b>	<b>08564</b>	<b>08565</b>
Pints .....	1 1/4	2	3	4	5
Per dozen.....	\$28.00	32.00	36.00	40.00	44.00
Wt. per dz., lbs..	.....	.....	.....	.....	.....

**IVORY ENAMELED TEA POTS.**

QUADRUPLE COATED. WHITE PORCELAIN INSIDE.

Nickel-Plated Covers and Nickel-Plated Copper Covered Bottoms. Top Protection Bands. Patent Ebonized Wood Handles. Finished in Turquoise, Chocolate or Inlaid. Sent in assorted colors unless otherwise specified.

Code .....	Islamite	Ismaelis	Ismenido	Isochrom
Numbers.....	05551	05552	05553	05554
Pints.....	1 1/4	2	3	4
Per dozen.....	\$28.00	32.00	36.00	40.00
Weight per doz., lbs...	.....	.....	.....	.....



SECTION 20.  
MISCELLANEOUS GOODS



HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK.

## MISCELLANEOUS GOODS.

In ordering goods from this section it is only necessary to use the code word over the number or size of the article preceded by words from the code in the front of this book.

EXAMPLE:—Criticun acibero each jabotag jacqueli janizare.

TRANSLATION:—Ship at once two and one-half dozen each one hundred Egg Beaters, five hundred and twenty Crescent Wash Boards, thirty-five Scrub Brushes.

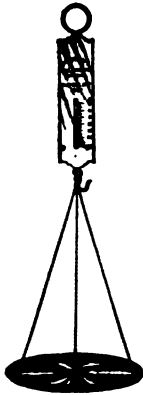


## SPRING BALANCES WITH HOOKS.

POLISHED BRASS FACES.

Code.....	Jabalon	Jabarder
Numbers .....	<b>20</b>	<b>30</b>
Capacity, lbs.....	25 by ½ lb	48 by 1 lb
Per dozen.....	\$1.60	3.00
Weight per doz., lbs.....	4	10

One-half dozen in a box.



## SPRING BALANCES WITH DISHES.

POLISHED BRASS FACES. TIN DISH, 9-INCH DIAMETER.

Code.....	Jabberso	Jabolent
Numbers .....	<b>21</b>	<b>31</b>
Capacity, lbs.....	25 by ½ lb	50 by 1 lb
Per dozen.....	\$4.00	6.00
Weight per doz., lbs.....	7	8

One-half dozen in a box.



## ECC BEATERS.

DOVER PATTERN. IMPROVED.

Code.....	Jabonadim	Jabotag	Jabradate
Numbers .....	<b>75</b>	<b>100</b>	<b>150</b>
Length, inches.....	10	11	12½
Per dozen .....	\$1.50	1.60	4.50
Weight per doz., lbs.....	6	7½	12

Nos. 75 and 100, one dozen in a box.

No. 150, one-half dozen in a box.

**“PERFECTION” EGG  
BEATERS.**

ELECTRO-TINNED HANDLES. BALL BEARING  
BOTH ENDS.

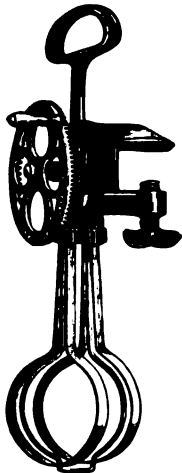
Code.....	Jacapure
Number .....	8
Length, inches.....	11
Per dozen .....	\$3.50
Weight per doz., lbs.....	6
One dozen in a box.	



**MAMMOTH DOVERS.**

FOR HOTELS, RESTAURANTS, ETC.

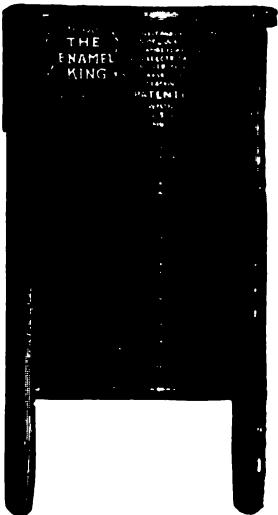
Code.....	Jacenti
Number .....	4
Length, inches.....	17
Each.....	\$4.50
Weight each, lbs.....	4
One in a box.	



**“ENAMEL KING” WASH  
BOARDS.**

EVERLASTING. WILL NOT CHIP OR CRACK. NOT  
AFFECTED BY HOT OR COLD WATER.  
CANNOT CORRODE.

Code.....	Jacketer
Number .....	870
Length, inches.....	25
Width, inches.....	13 1/2
Per dozen .....	\$8.70
Weight per doz., lbs.....	40
Shipping measure per doz., cubic feet.....	4
One-half dozen in a crate.	





## **“BRASS KING” WASH BOARDS.**

GUARANTEED FOR 5 YEARS. WILL NOT CORRODE,  
CRACK OR GET OUT OF SHAPE.

•Code.....	Jacobin
Number.....	<b>800</b>
Length, inches.....	24
Width, inches.....	12½
Per dozen.....	<b>\$6.40</b>
Weight per doz., lbs.....	36
Shipping measure per doz., cubic feet.....	4

One-half dozen in a crate.



## **“GLASS KING” WASH BOARDS.**

WILL NEVER WEAR OUT. WILL NOT TARNISH,  
CORRODE OR GET OUT OF SHAPE.

Code.....	Jacoport
Number.....	<b>860</b>
Length, inches.....	25
Width, inches.....	12
Per dozen.....	<b>\$7.50</b>
Weight per doz., lbs.....	54
Shipping measure per doz., cubic feet.....	4

One-half dozen in a crate.



## **“CRESCENT” WASH BOARDS.**

GUARANTEED FOR 5 YEARS. BENT HARDWOOD FRAME.  
STEEL ROD AT BOTTOM. CRESCENT CRIMP  
ON BOTH SIDES. SOLID ZINC.

Code.....	Jacqueli
Number.....	<b>520</b>
Length, inches.....	24
Width, inches.....	12½
Per dozen.....	<b>\$7.00</b>
Weight per doz., lbs.....	34
Shipping measure per doz., cubic feet.....	4

One-half dozen in a crate.

**“SPECIAL STAR” WASH  
BOARDS.**

STATIONARY PROTECTOR TOP. MAPLE LEGS. STEEL  
ROD AT BOTTOM. PLAIN CRIMP ON BOTH  
SIDES. SOLID ZINC.

Code.....	Jactanti
Number.....	<b>570</b>
Length, inches.....	24
Width, inches.....	12½
Per dozen.....	<b>\$5.00</b>
Weight per doz., lbs.....	32
Shipping measure per doz., cubic feet.....	4

One-half dozen in a crate.



**“CABLE CROSS” WASH  
BOARDS.**

DOUBLE ZINC SURFACE. STATIONARY PROTECTOR  
TOP. HARDWOOD FRAME. CABLE CRIMP ON  
ONE SIDE, SPIRAL ON THE OTHER.

Code.....	Jactuma
Number.....	<b>620</b>
Length, inches.....	24
Width, inches.....	13½
Per dozen.....	<b>\$6.40</b>
Weight per doz., lbs.....	38
Shipping measure per doz., cubic feet.....	4

One-half dozen in a crate.



**“NAIAD” WASH BOARDS.**

SINGLE ZINC SURFACE. STATIONARY PROTECTOR TOP.  
HARDWOOD FRAME.

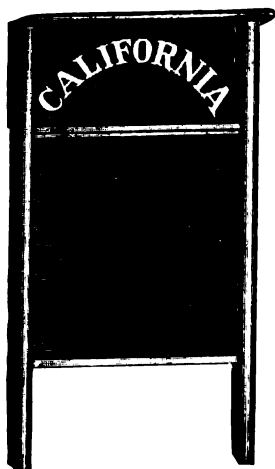
Code.....	Jacueri
Number.....	<b>725</b>
Length, inches.....	25
Width, inches.....	11
Per dozen.....	<b>\$5.00</b>
Weight per doz., lbs.....	32
Shipping measure per doz., cubic feet.....	4

One-half dozen in a crate.

Open back. Perforated. The zinc surface is raised in  
the center and supported by bent truss rods, so that it  
cannot sag. Extra heavy zinc.





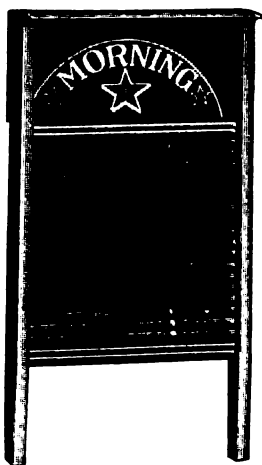


### **"CALIFORNIA" WASH BOARDS.**

SINGLE ZINC SURFACE. SELECTED SUGAR PINE  
FRAME. STRONG. DURABLE.

Code .....	Jacuisse
Number .....	<b>1</b>
Length, inches.....	23
Width, inches.....	12½
Per dozen.....	<b>\$3.70</b>
Weight per doz., lbs.....	30
Shipping measure per doz., cubic feet.....	3½

One dozen in a crate.

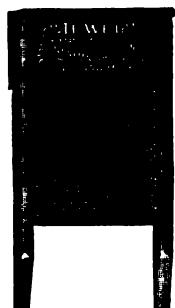


### **"MORNING STAR" WASH BOARDS.**

SINGLE ZINC SURFACE. STATIONARY PROTECTOR TOP.  
HARDWOOD FRAME. VENTILATED BACK.

Code .....	Jaculand
Number.....	<b>761</b>
Length, inches.....	24
Width, inches.....	12½
Per dozen.....	<b>\$4.80</b>
Weight per doz., lbs.....	36
Shipping measure per doz., cubic feet.....	4

One-half dozen in a crate.



### **"JEWEL" WASH BOARDS.**

SINGLE ZINC SURFACE. GLOBE CRIMP.

Code .....	Jacularet
Number.....	<b>797</b>
Length, inches.....	19
Width, inches.....	8
Per dozen .....	<b>\$2.70</b>
Weight per doz., lbs.....	16
Shipping measure per doz., cubic feet.....	1½

One-half dozen in a crate.

**"PRINCESS" WASH BOARDS.**

DOUBLE ZINC SURFACE. HARDWOOD FRAME. REVERSIBLE PROTECTOR TOP. CABLE CRIMP ON ONE SIDE, FANCY CRIMP ON THE OTHER.

Code.....	Jaculory
Length, inches.....	<b>24</b>
Width, inches.....	12½
Per dozen.....	<b>\$6.20</b>
Weight per doz., lbs.....	40
Shipping measure per dozen, cubic feet.....	4
One-half dozen in a crate.	

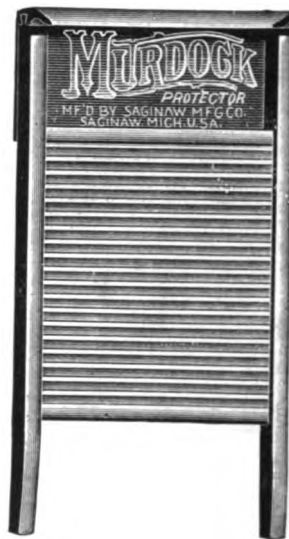


Cut shows Cable Crimp.

**"MURDOCK" WASH BOARDS.**

SINGLE ZINC SURFACE. LAUNDRY SIZE. STATIONARY PROTECTOR TOP. HARDWOOD FRAME. EXTRA LARGE. COARSE PLAIN CRIMP.

Code.....	Jadeamo
Number .....	<b>742</b>
Length, inches.....	28
Width, inches.....	14½
Per dozen.....	<b>\$7.50</b>
Weight per doz., lbs.....	46
Shipping measure per doz., cubic feet.....	5
One-half dozen in a crate.	

**SPECIAL HOTEL SCRUB BRUSHES.**

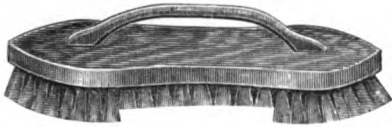
SOLID BEECH BLOCKS. GREY TAMPICO. ANCHOR SET. EXTRA HEAVY. EXTRA WELL FILLED. FIVE ROW.

Code.....	Jadelotes
Number .....	<b>460</b>
Length of block, inches.....	12
Weight per doz., lbs.....	11
Per dozen .....	<b>\$2.50</b>
Weight per case, lbs.....	152
Shipping measure per case, cubic feet.....	8¼
One dozen in a box. Twelve dozen in a case.	



**SCRUB BRUSHES.**

SOLID BEECH BLOCKS. HANDLED. GREY TAMPICO.  
ANCHOR SET.



Code.....	Jagellose	Jaggedly
Numbers.....	<b>60 GH</b>	<b>27 GH</b>
Length of block, inches.....	12	12
Number of rows.....	5	6
Weight per doz., lbs.....	8½	8½
Per dozen.....	\$2.35	2.45
Weight per case, lbs.....	115	129
Shipping measure per case, cubic feet...	7½	8½

One dozen in a box. Twelve dozen in a case.

**SCRUB BRUSHES.**

SOLID BEECH BLOCKS. GREY TAMPICO. ANCHOR SET.

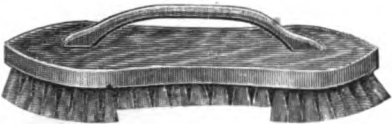


Code.....	Jaguare	Jaharrab
Numbers.....	<b>60 G</b>	<b>27 G</b>
Length of block, inches.....	12	12
Number of rows.....	5	6
Weight per doz., lbs.....	7½	8
Per dozen.....	\$2.15	2.25
Weight per case, lbs.....	107	120
Shipping measure per case, cubic feet...	5½	7½

One dozen in a box. Twelve dozen in a case.

**SCRUB BRUSHES.**

SOLID BEECH BLOCKS. HANDLED. WHITE TAMPICO.  
ANCHOR SET.



Code.....	Jahrute	Jahrgese	Jahrzint
Numbers.....	<b>60 H</b>	<b>23 H</b>	<b>24 H</b>
Length of block, inches.....	12	11	12
Number of rows.....	5	5	6
Weight per doz., lbs.....	8½	8½	8½
Per dozen.....	\$2.20	1.90	2.00
Weight per case, lbs.....	115	115	132
Shipping measure, per case.....	7½	7½	8½

One dozen in a box. Twelve dozen in a case.

**SCRUB BRUSHES.**

SOLID BEECH BLOCKS. WHITE TAMPICO, ANCHOR SET.



Code.....	Jaleado	Jalouse	Jambert
Numbers.....	<b>60</b>	<b>23</b>	<b>24</b>
Length of block, inches.....	12	11	12
Number of rows.....	5	5	6
Weight per doz., lbs.....	7½	7½	8
Per dozen.....	\$1.95	1.70	1.80
Weight per case, lbs.....	107	105	133
Ship. measure per case, cu. ft...	5½	5¼	7¼

One dozen in a box. Twelve dozen in a case.

**SCRUB BRUSHES.**

SOLID BEECH BLOCKS, HANDLED. WHITE TAMPICO.

ANCHOR SET. WING BRUSH.

Code .....	Jamboder	Jamerdam
Numbers .....	<b>12 H</b>	<b>8 H</b>
Length of block, inches.....	10	12
Number of rows.....	6	6
Weight per doz., lbs.....	7½	8½
Per dozen.....	\$1.75	2.20
Weight per case, lbs.....	103	124
Shipping measure per case, cubic feet...	7¼	8½

One dozen in a box. Twelve dozen in a case.

**SCRUB BRUSHES.**

SOLID BEECH BLOCKS. WHITE TAMPICO, ANCHOR

SET. WING BRUSH.

Code.....	Jamonase	Janian	Janibost
Numbers .....	<b>10</b>	<b>12</b>	<b>8</b>
Length of block, inches.....	9	10	12
Number of rows.....	6	6	6
Weight per doz., lbs.....	6	7	8
Per dozen .....	\$1.20	1.30	2.00
Weight per case, lbs.....	92	104	111
Ship. measure per case, cu. ft...	4¼	5	5½

One dozen in a box. Twelve dozen in a case.

**SCRUB BRUSHES.**

SOLID BEECH BLOCKS. WHITE TAMPICO, ANCHOR SET.

Code.....	Janizare	JanKent
Numbers .....	<b>85</b>	<b>70</b>
Size of block, inches .....	5½x2½	8x2½
Number of rows.....	6	6
Weight per doz., lbs.....	3½	4½
Per dozen .....	\$0.90	1.25
Weight per case, lbs.....	48	70
Shipping meas. per case, cubic feet .....	2½	4

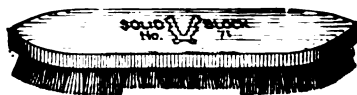
One dozen in a package. Twelve dozen in a case.

**SCRUB BRUSHES.**

SOLID BEECH BLOCKS. WHITE TAMPICO, ANCHOR SET.

Code.....	Janotis
Number .....	<b>62</b>
Length of block, inches .....	8½
Number of rows.....	4
Weight per doz., lbs.....	4½
Per dozen .....	\$0.80
Weight per case, lbs.....	66
Shipping measure per case, cubic feet .....	3½

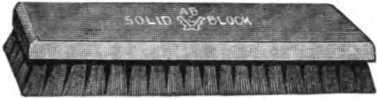
One dozen in a package. Twelve dozen in a case.



**SCRUB BRUSHES.**

SOLID BEECH BLOCKS, VARNISHED. PALMETTO

OR OX FIBRE, ANCHOR SET.



Code.....	Janrine
Number .....	<b>88</b>
Size of block, inches .....	7x3
Number of rows .....	7
Weight per doz., lbs.....	5½
Per dozen .....	<b>\$1.70</b>
Weight per case, lbs.....	83
Shipping measure per case, cubic feet .....	4½
One dozen in a box. Twelve dozen in a case.	

**DAIRY SCRUB BRUSHES.**

SOLID BEECH BLOCKS. GRÉY TAMPICO, ANCHOR SET.

EXTRA WELL FILLED. REGULAR SIZE FOR

INSIDE OF MILK CANS.



Code.....	Jantille
Number .....	<b>82</b>
Size of block, inches .....	5½x2½
Per dozen .....	<b>\$2.20</b>
Weight per doz., lbs.....	4
One dozen in a box.	

**NAIL BRUSHES.**

SOLID BEECH BLOCKS. WHITE TAMPICO, ANCHOR SET.



Code .....	Japican
Number .....	<b>092</b>
Size of block, inches.....	5x1½
Number of rows.....	5
Weight per doz., lbs.....	1½
Per dozen.....	<b>\$0.60</b>
Weight per package, lbs.....	6
Shipping measure per package, cubic feet.....	.....
Three dozen in a package.	

**HANDY HOUSE SCRUB BRUSHES.**SOLID BEECH BLOCK. HANDLED. WHITE TAMPICO  
ANCHOR SET. SPECIALLY ADAPTED FOR SINK USE.

Code.....	Japonism
Number.....	<b>76</b>
Size of block, inches.....	4¼x1½
Number of rows.....	4
Per dozen.....	<b>\$0.65</b>
Weight per doz., lbs.....	2½
One dozen in a box.	

**POT SCRUBS.**

Code.....	Jaquela
Length, inches.....	7½
Weight per doz., lbs.....	3¼
Per dozen.....	\$0.36
Weight per sack, lbs.....	51
Shipping measure per sack, cubic feet.....	2½
Fifty in a package. Two hundred in a sack.	

**STOVE BRUSHES.**

SOLID BEECH BLOCKS. HANDLED. TAMPICO.

ANCHOR SET.

Code.....	Jaqueton	Jarabed
Numbers.....	91	98
Length of block, inches.....	12	12
Number of rows.....	5	5
Weight per doz., lbs.....	7½	7½
Per dozen.....	\$1.95	2.35
Weight per case, lbs.....	120	120
Shipping measure per case, cubic feet....	8½½	8½½

One dozen in a box. Twelve dozen in a case.

No. 91 is Plain Finish, Black and White Stock.

No. 98—Red Stained and Varnished Block, Black Stock, Extra Quality.

**SHOE BRUSHES.**

EXTRA THICK SOLID BEECH BLOCKS. EXTRA FINISH

WARRANTED ALL BRISTLE. WHITE OUTSIDE.

BLACK CENTER. ANCHOR SET.

Code.....	Jaramene
Number.....	28
Size of block, inches.....	8x2½
Number of rows.....	7
Per dozen.....	\$5.00
Weight per doz., lbs.....	8

One-half dozen in a box.

**SHOE BRUSHES.**

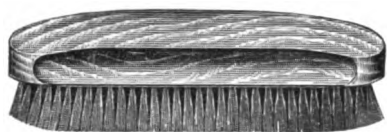
SOLID BEECH BLOCKS. VARNISHED BACKS. BLACK

TAMPICO. ANCHOR SET.

Code.....	Jardinere
Number.....	7
Size of block, inches.....	7x2¼
Number of rows.....	5
Per dozen.....	\$1.80
Weight per doz., lbs.....	5½

One dozen in a box.



**SHOE POLISHING BRUSHES.**

SOLID BEECH BLOCKS. VARNISHED AND POLISHED.

WARRANTED PURE BLACK BRISTLES  $1\frac{1}{4}$  INCHES

LONG. ANCHOR SET. EXTRA WELL FILLED.

Code.....	Jargiot
Number.....	824
Size of block, inches.....	9x2 $\frac{1}{4}$
Number of rows.....	8
Per dozen.....	\$6.75
Weight per doz., lbs.....	10
One-half dozen in a box.	

**SHOE DAUBERS.**

SOLID BEECH BLOCKS. RED STAINED. WARRANTED

PURE BLACK BRISTLES. ANCHOR SET.

WELL FILLED.

Code.....	Jaropest
Number.....	06
Length of block, inches.....	7
Per dozen.....	\$1.25
Weight per doz., lbs.....	2
One dozen in a box.	

**COUNTER OR DUST BRUSHES.**

HARDWOOD. RED STAINED BLOCKS. WARRANTED

PURE BLACK AND WHITE BRISTLES.

Code.....	Jasminen	Jaspacht	Jaspidet	Jataman
Numbers.....	2	3	5	7
Length of blade, inches...	8	9	11	11
Per dozen.....	\$4.30	5.80	10.80	13.50
Wt. per doz., lbs.....	5	6	12	18
One-sixth dozen in a package.				
No. 7 is Extra Well Filled.				

**WHISK BROOMS.**

BEST EASTERN CORN. WIRE AND VELVET HANDLES.

Code.....	Jatragor	Jaucher
Numbers.....	1	2
Strings.....	3	2
Inches.....	9 $\frac{1}{2}$	8 $\frac{1}{2}$
Per dozen.....	\$3.00	2.50
Weight per doz., lbs.....	6	4 $\frac{1}{2}$
One dozen in a package.		

**WHISK BROOMS.****SPIRAL WIRE HANDLES.**

Code.....	Jaucorte	Jaunissa	Japanese
Numbers .....	5	7	8
Strings .....	2	2	1
Inches.....	6	9½	7
Per dozen .....	\$2.00	1.80	1.55
Weight per doz., lbs.....	3	4	3

One dozen in a package.  
No. 5 is a Pocket Broom.

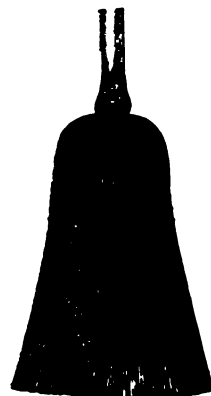
**HOUSE BROOMS.****Pick and Choice.**

Code.....	Javardom
Number .....	2
Strings .....	5
Inches.....	16
Per dozen .....	\$6.40
Weight per doz., lbs.....	26

**Patent Cap.**

Code.....	Javelin	Javette	Jazedores	Jabuset
Numbers .....	1	2	3	Little Beauty
Strings .....	5	5	4	4
Inches.....	17	16	15	15
Per dozen .....	\$6.00	5.65	5.25	5.25
Weight per doz., lbs.	30	26	25	25

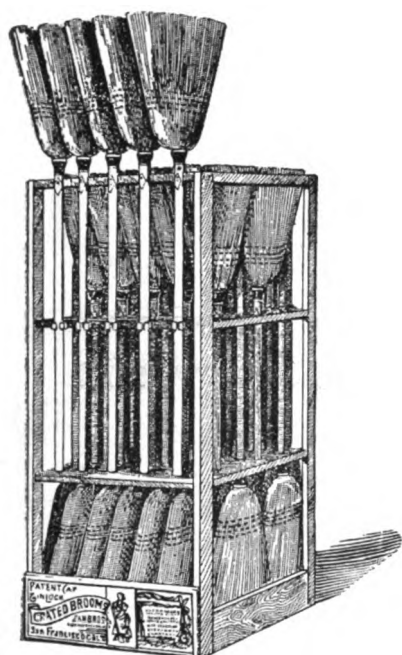
One dozen in a package.  
Little Beauty has painted handles.

**Tin Lock.****Extra.**

Code .....	Jechoni	Jecorost	Jedabar	Jedenfahl	Jederwet	Jefestur	Jehudine	Jekamit
Numbers.....	1	2	Ladies' Delight	1	2	3	Red Head	Ring Neck
Strings.....	5	5	4	4	3	3	3	3
Inches .....	17	16	15	17	16	15	15	15
Per dozen.....	\$5.25	4.90	4.50	4.50	4.15	3.75	3.40	3.00
Weight per doz., lbs .....	30	26	25	26	24	22	22	20

One dozen in a package.





## PATENT "EUREKA" CRATE BROOMS.

A SHIPPING CRATE AND RETAIL RACK.

These Brooms are made of the choicest materials in five different styles.

**Crate contains one dozen each of the following:**

<b>No. 3</b> —Hurl, 15-inch, 3 strings, weight per doz., 22 lbs.....	Per dozen,	<b>\$4.50</b>
<b>No. 2</b> —Parlor, 15-inch, 3 strings, weight per doz., 24 lbs.....	"	<b>4.90</b>
<b>No. 1</b> —Parlor, 16-inch, 4 strings, weight per doz., 26 lbs.....	"	<b>5.25</b>
<b>No. 5</b> —Ladies' Favorite, 15-inch, 3 strings, weight per doz., 25 lbs	"	<b>5.65</b>
<b>No. 6</b> —Daisy, 16-inch, 4 strings, weight per doz., 26 lbs.....	"	<b>6.00</b>

Code.....	Jeldove
Per crate .....	\$26.30
Weight per crate, lbs.....	150
Shipping measure per crate, cubic feet.....	24

**Five dozen in a crate.**



# MILL BROOMS.

HEAVY. GALVANIZED BOUND. BEST HEAVY CORN

MIXED WITH RATTAN.

Code.....	Jemmad	Jenacht	Jenolime
Numbers.....	0	1	2
Strings.....	3	3	2
Inches.....	17½	17	16
Per dozen.....	\$5.65	4.90	4.50
Weight per doz., lbs.....	40	38	30

One dozen in a package.



## SHIP BROOMS.

HEAVY. GALVANIZED BOUND. BEST HEAVY CORN

MIXED WITH RATTAN.

Code.....	Jerfalcon
Inches.....	<b>16</b>
Strings.....	<b>2</b>
Per dozen.....	<b>\$4.15</b>
Weight per doz., lbs.....	<b>28</b>

**One dozen in a package.**

**JAPANNED CAGES IN CASES.**

CLASS H.



No. 187.



No. 45.



No. 180.



No. 101.



No. 150.



No. 011.

The above Case contains six Japanned Cages, three Oblong Square and three Square, Fancy Styles.

One Number 180, 7½ x 7½ inches.....	\$0.80
One Number 187, 8¾ x 8¾ inches.....	1.08
One Number 150, 9½ x 9½ inches.....	1.28
One Number 011, 10½ x 7 inches.....	1.15
One Number 101, 11 x 7¾ inches.....	1.71
One Number 45, 12¼ x 8 inches.....	2.13
Code .....	Jeringam
Class.....	H
Per case.....	\$8.15
Weight per case, lbs.....	30
Shipping measure per case, cubic feet.....	2¼

We do not break above assortment.

**JAPANNED CAGES IN CASES.**

CLASS I.



No. 159.



No. 165.



No. 160.



No. 161.



No. 166.



No. 02.

The above Case contains six Japanned Cages, three Plain Square and three Oblong Square.

One Number <b>159</b> , $7\frac{1}{2} \times 7\frac{1}{2}$ inches.....	\$0.75
One Number <b>160</b> , $8 \times 8$ inches.....	.87
One Number <b>161</b> , $8\frac{1}{4} \times 8\frac{1}{4}$ inches.....	1.00
One Number <b>02</b> , $8\frac{1}{2} \times 6$ inches.....	.73
One Number <b>165</b> , $9\frac{1}{4} \times 6\frac{1}{2}$ inches.....	.75
One Number <b>166</b> , $10\frac{1}{2} \times 7$ inches.....	1.00

Code.....	Jerrubba
Class.....	<b>I</b>
Per case.....	\$5.10
Weight per case, lbs.....	30
Shipping measure per case, cubic feet.....	$2\frac{1}{3}$

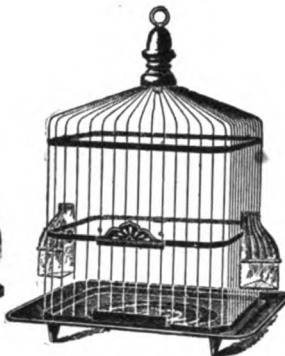
We do not break above assortment.

**JAPPANED CAGES IN CASES.**

CLASS J.



No. 1 1/2.



No. 159.



No. 166.



No. 3 1/2.



No. 165.



No. 4.



No. 0.



No. 160.



No. 2.



No. 167.



No. 161.



No. 5 1/2.

The above Case contains twelve Japanned Cages, six Round, six Square and Oblong Square, Fancy and Plain Styles.

See list next page.

**JAPANNED CAGES IN CASES.**

## CLASS J

One Number 0,	7 inches diameter.....	\$0.55
One Number 1½,	7½ inches diameter.....	.72
One Number 2,	8¼ inches diameter.....	.75
One Number 3½,	8¾ inches diameter.....	.98
One Number 4,	9½ inches diameter.....	1.08
One Number 5½,	10½ inches diameter.....	1.32
One Number 159,	7½ x 7½ inches.....	.75
One Number 160,	8 x 8 inches.....	.87
One Number 161,	8¾ x 8¾ inches.....	1.00
One Number 165,	9¾ x 6½ inches.....	.75
One Number 166,	10½ x 7 inches.....	1.00
One Number 167,	11 x 7½ inches.....	1.08
Code.....	Jervines	
Class.....	J	
Per case.....	\$10.85	
Weight per case, lbs.....	53	
Shipping measure per case, cubic feet.....	5	

We do not break above assortment.

**JAPANNED CAGES IN CASES.**

CLASS K.



No. 104.



No. 171.



No. 156.



No. 145.



No. 173.



No. 154.



No. 198.



No. 181.



No. 172.

Continued on next page.



No. 179 1/2



No. 142



No. 179

The above Case contains twelve Japanned Cages, nine Square and three Oblong Square, Fancy Styles.

One Number 104,	9 1/2 x 9 1/2 inches.....	\$1.53
One Number 142,	11 x 7 3/4 inches.....	1.36
One Number 145,	12 1/4 x 8 inches.....	1.53
One Number 154,	8 3/4 x 8 3/4 inches.....	1.19
One Number 156,	10 1/2 x 7 1/2 inches.....	1.28
One Number 171,	8 x 8 inches.....	.92
One Number 172,	8 3/4 x 8 3/4 inches.....	1.06
One Number 173,	9 1/2 x 9 1/2 inches.....	1.16
One Number 179,	10 x 10 inches.....	1.33
One Number 179 1/2,	10 1/2 x 10 1/2 inches.....	1.45
One Number 181,	8 x 8 inches.....	.96
One Number 189,	10 x 10 inches.....	1.33

Code.....	Jesuit
Class.....	K
Per case.....	\$15.10
Weight per case, lbs..	55
Shipping measure per case, cubic feet.....	5

We do not break above assortment.

JAPPANED AND BRASS CAGES IN CASES.

CLASS 1A.



No. 065.



No. 066.



No. 067.



No. 5002.



No. 5004.



No. 5006.

The above Case contains six Cages, three Brass and three Jappaned, Oblong Square.

One Number 065, 9 3/4 x 6 1/2 inches, Jappaned.....	\$0.79
One Number 066, 10 1/2 x 7 inches, Jappaned.....	1.06
One Number 067, 11 x 7 1/2 inches, Jappaned.....	1.15
One Number 5002, 9 x 6 inches, Brass.....	1.55
One Number 5004, 9 3/4 x 6 1/2 inches, Brass.....	1.65
One Number 5006, 10 1/2 x 7 1/2 inches, Brass.....	1.80
Code.....	Jerusea
Class.....	1A
Per case.....	\$8.00
Weight per case, lbs.....	30
Shipping measure per case, cubic feet.....	2 1/4

We do not break above assortment.



**IMPROVED PARROT CAGES.**

MADE OF BRIGHT TINNED WIRE. PLAIN ZINC BASES. WIRES ARE  $1\frac{1}{8}$  INCHES APART.

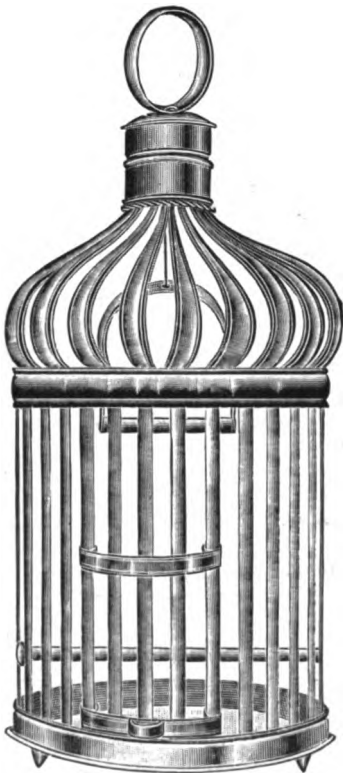


Code.....	Jethla	Jettera	Jetudom
Numbers.....	80	85	90
Diameter, inches.....	14	15½	17½
Height, inches.....	23	25	30
Each.....	\$4.00	4.50	5.00
Weight each, lbs.....	6	7½	10

These Cages are constructed with Tinned Steel Rails and No. 12 Tinned Wire, Plain Zinc Bases, with new door fastenings. The rails and upright wires are riveted. These cages may be nested.

H. M. & S. PARROT CAGES.

MADE OF HEAVY BRIGHT TIN



Code.....	Jewish	Jibiar
Diameter, inches.....	14	16
Height, inches .....	35 1/2	38
Weight each, lbs.....	7	10
Each.....	\$7.00	8.50

SQUARE PARROT CAGES.

MADE OF BRIGHT TINNED WIRE FANCY ORNAMENTED BOTTOMS

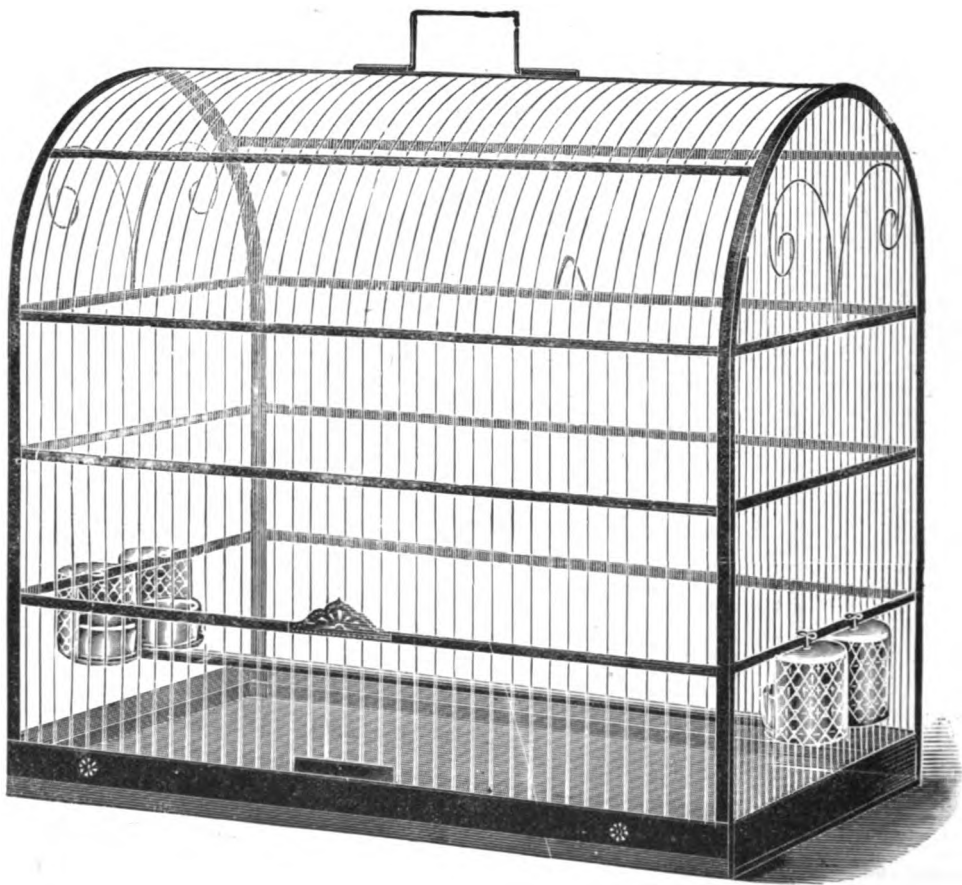


Code.....	Jibsail	Jignote	Jinglar
Numbers.....	006	06	6
Size, inches.....	16x16	17x17	20x20
Height, inches.....	18	.....	.....
Each.....	\$5.50	7.50	10.00
Weight each, lbs.....	8	.....	.....

These cages may be nested.

JAPPANED MOCKING BIRD CAGES.

ARE CONSTRUCTED WHOLLY OF METAL. WITH METAL DRAWER OPENING IN FRONT.



Feed Cups, Perches and Swings sent with Cages.

Code .....	Joaquin	Joazab	Jobardin
Numbers .....	83	84	85
Length, inches.....	20	22	24
Width, inches.....	12	13	14
Height, inches.....	18	20	22
Per dozen.....	\$40.00	44.00	48.00
Weight each, lbs.....	7	7½	8

These cages may be nested.

**TRAP CAGES.**

WOOD FRAMES. STEEL WIRES. SPRING DOORS.

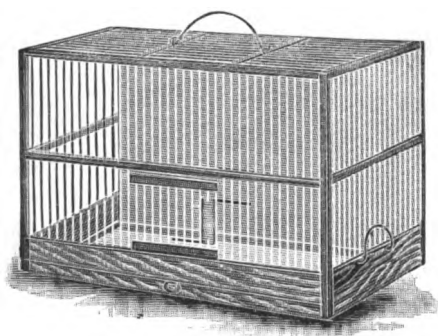


Code .....	Jocabits
Length, inches.....	<b>9</b>
Width, inches.....	<b>9</b>
Height, inches.....	<b>10</b>
Per dozen.....	<b>\$7.50</b>
Weight per doz., lbs.....	<b>16</b>

One in a package.

**BREEDING CAGES.**

WOOD FRAMES. COPPERED STEEL WIRES. SPRING DOORS.



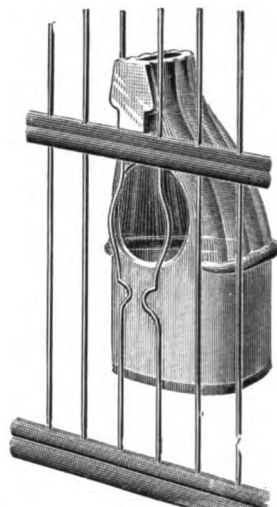
Code.....	Jocabund
Length, inches.....	<b>17</b>
Width, inches.....	<b>10½</b>
Height, inches.....	<b>11½</b>
Per dozen.....	<b>\$15.00</b>
Weight per doz., lbs.....	<b>45</b>

One in a package.

**BIRD CAGE FEED CUPS.**

GLASS. WILL FIT ANY JAPANNED CANARY CAGE.

Code.....	Jocanti
Number.....	<b>1886</b>
Per dozen.....	<b>\$2.00</b>
Weight per doz., lbs.....	2½
One dozen in a box.	

**JAPANNED CANDLESTICKS.**

BROWN. LOW PATTERN.

Code.....	Jocosid	Joculator
Numbers.....	<b>15</b>	<b>20</b>
Diameter, inches.....	4¾	5¼
Per dozen.....	<b>\$0.55</b>	.60
Weight per doz., lbs.....	1	1½
One dozen in a package.		

**JAPANNED CANDLESTICKS.**

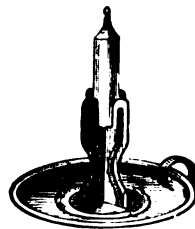
BROWN. DEEP PATTERN.

Code .....	Jocundi	Jodele
Numbers.....	<b>1</b>	<b>2</b>
Diameter, inches.....	7	6¼
Per dozen.....	<b>\$1.15</b>	.95
Weight per doz., lbs.....	2½	2
One dozen in a package.		

**SAVE-ALL CANDLESTICKS.**

JAPANNED. BLACK.

Code.....	Jodenbut
Number.....	<b>2</b>
Diameter, inches.....	5¾
Per dozen .....	<b>\$0.75</b>
Weight per doz., lbs.....	1¾
One dozen in a package.	

**PLANISHED CANDLESTICKS.**

HEAVY.

Code.....	Jodenwin	Jodokan
Numbers .....	<b>D1 Without Handle</b>	<b>D2 With Handle</b>
Diameter, inches.....	5¾	5¾
Per dozen.....	<b>\$2.40</b>	2.60
Weight per doz., lbs....	2½	2¾
One dozen in a package.		



**BURNISHED CANDLESTICKS.**

EXTRA FINISH.



Code .....	Jointure	Jokken	Jonchero
Numbers.....	<b>J1</b> Without Han.	<b>J2</b> Without Han.	<b>J3</b> With Han.
Dia., inches.....	5 $\frac{3}{4}$	5 $\frac{3}{4}$	5 $\frac{3}{4}$
Per dozen.....	\$2.00	2.20	2.60
Wt. per dz., lbs..	2	2 $\frac{1}{2}$	2 $\frac{3}{4}$

One dozen in a package.

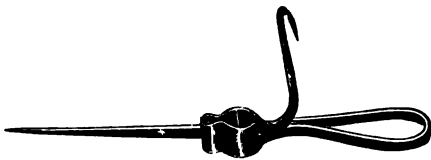
**BRASS CANDLESTICKS.**

HEAVY. POLISHED.



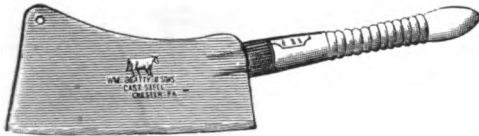
Code.....	Joncifer
Number.....	<b>2</b>
Diameter, inches.....	5
Per dozen.....	\$5.00
Weight per doz., lbs.....	2 $\frac{1}{4}$

One-half dozen in a box.

**MINERS' CANDLESTICKS.**HAND FORGED. MADE FROM  $\frac{1}{4}$ -INCH OCTAGON TOOL  
STEEL. 5-INCH SPIKE.

Code.....	Jongets
Length, inches.....	<b>10</b>
Length of spike, inches.....	5 $\frac{1}{2}$
Per dozen .....	\$9.00
Weight per doz., lbs .....	3 $\frac{1}{2}$

One dozen in a box.

**CHOPPERS AND CLEAVERS.**BEATTY'S. EXTRA CAST STEEL BLADES. TURNED  
VARNISHED HICKORY HANDLES.

Code.....	Jongmen	Jongskit
Numbers.....	<b>000</b>	<b>00</b>
Width of blade, inches.....	6	7
Per dozen.....	\$10.00	11.50
Weight per doz., lbs.....	18	20

Code .....	Jonkerp	Jonosat	Joppit	Jordane
Numbers.....	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
Width of blade, inches .....	8	9	10	11
Per dozen.....	\$13.50	15.00	16.50	18.00
Weight per doz., lbs.....	28	33	45	51

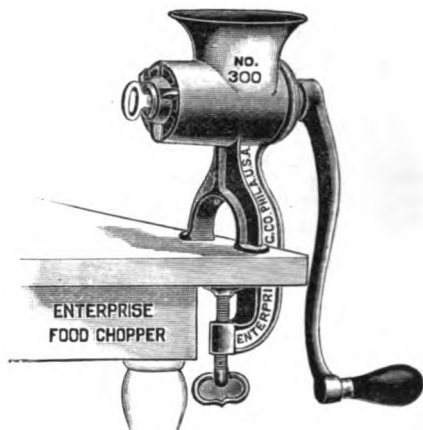
One-half dozen in a box.

## ENTERPRISE FOOD CHOPPERS.

TINNED. PHOSPHOR BRONZE BEARINGS.

Code.....	Jorgeli	Jornale
Numbers.....	<b>100</b>	<b>300</b>
Chops per minute, lbs.....	2	3
Weight each, lbs.....	4½	8
Each.....	\$1.50	2.25
Weight per case, lbs.....	40	58
Shipping measure per case, cubic feet.....	1¼	1½

One in a box. Six in a case.



Four Knives With Each Chopper.



Fine



Medium



Coarse



Nut Butter Cutter

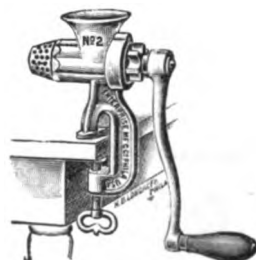
## ENTERPRISE MEAT AND FOOD CHOPPERS.

TINNED. FAMILY SIZE. STANDARD SIZE OF HOLES

¾ INCH. PRACTICALLY IN TWO PIECES.

Code.....	Jorobam
Number.....	<b>2</b>
Chops per minute, lb.....	1
Weight each, lbs.....	4½
Each.....	\$1.50
Weight per case, lbs.....	.....
Shipping measure per case, cubic feet.....	.....

One in a box. Six in a case.



## ENTERPRISE MEAT AND FOOD CHOPPERS.

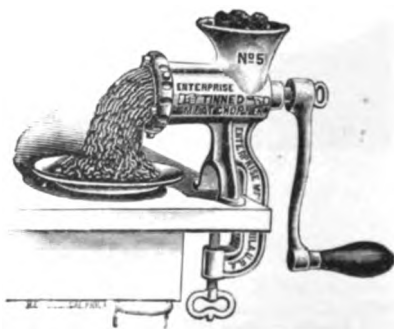
TINNED. FAMILY SIZES. WITH STANDARD PLATES

HAVING ¾ INCH HOLES. THE ONLY PER-

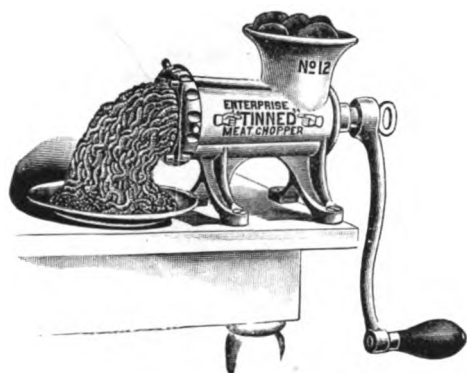
FECT CUTTING CHOPPER MADE.

Code.....	Josephi	Josibid
Numbers.....	<b>5</b>	<b>10</b>
Chops per minute, lbs.....	1½	3
Weight each, lbs.....	4½	8
Each.....	\$2.00	3.00
Weight per case, lbs.....	.....	72½
Shipping measure per case, cubic feet.....	.....	2½

One in a box. Six in a case.







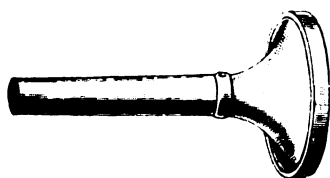
## ENTERPRISE MEAT AND FOOD CHOPPERS.

TINNED. BUTCHERS', HOTEL OR RESTAURANT SIZES.

WITH STANDARD PLATES HAVING  $\frac{3}{16}$ -INCH HOLES.

Code.....	Jotapher	Joudore	Journey
Numbers .....	<b>12</b>	<b>022</b>	<b>082</b>
Chops per minute, lbs.....	3	4	5
Weight each, lbs.....	7	12	18
Each.....	\$2.50	4.00	6.00
Weight per case, lbs.....			152
Ship. measure per case, cub. feet. ....			2½

One in a box. Six in a case.

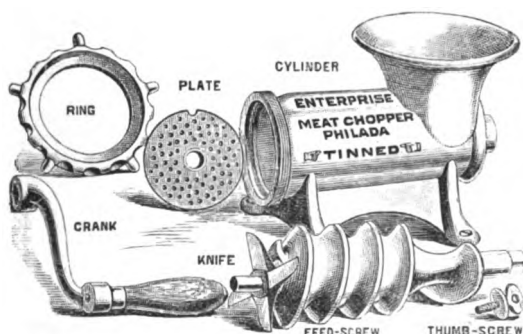


## SAUSAGE-STUFFING ATTACHMENTS.

SPUN BRASS. NICKEL-PLATED.  $\frac{3}{4}$ -INCH TUBES.

Code.....	Jovena	Jowler
For Machines Nos.....	<b>5</b>	<b>10</b>
Per dozen .....	\$4.00	4.50

Loose.



## EXTRA PARTS FOR ENTERPRISE CHOPPERS.

Parts.	No. 5.	Code.	No. 10.	Code.	No. 12.	Code.	No. 022.	Code.	No. 082.	Code.
Cranks.....Each, \$0.25	Joyless		\$0.30	Jubilada	\$0.30	Judaist	\$0.50	Judicant	\$0.75	Jugatin
Knives....."	Juardar		.30	Jubilasse	.30	Judaizan	.50	Judicial	.75	Jugaturo
Plates, $\frac{1}{4}$ ....."	Jubator		.50	Jubonero	.50	Judenap				
Plates, $\frac{1}{16}$ ....."	Jubelta		.50	Juchont	.50	Judenpale	.75	Jugabilit	1.00	Jugerate
Rings....."	Jubendor		.40	Jucumdam	.40	Judging	.75	Jugadost	1.00	Juggler

## "ALLEN'S" SINK CLEANERS.

BRIGHT TIN, WOOD HANDLES, WITH STRIP OF RUBBER RIVETED ON ONE EDGE.



Code.....	Jugland
Size, inches.....	<b>4¼ x 5¼</b>
Per dozen .....	\$2.00
Weight per doz., lbs.....	2

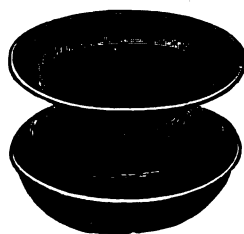
One dozen in a package.

**CUSPIDORS.**

JAPANNED. ASSORTED COLORS. STRIPED.

Code.....	Juglave	Jugumenta
Numbers .....	<b>010</b>	<b>080</b>
Inches .....	7x4	7 1/4 x 4 1/8
Weight per doz., lbs.....	5	7
Per dozen .....	\$1.45	2.15
Weight per case, lbs.....	100	100
Shipping measure per case, cubic feet..	13 7/12	23 1/3

Twelve dozen in a case.

**EXTRA HEAVY CUSPIDORS.**

JAPANNED. EXTRA FANCY. SELF-RIGHTING.

Code.....	Julavent	Julianor
Numbers .....	<b>300</b>	<b>400</b>
Inches .....	8x4 1/2	8 1/4 x 5 1/2
Weight per doz., lbs.....	14 1/4	17
Per dozen .....	\$4.00	4.85
Weight per case, lbs.....	.....	.....
Shipping measure per case, cubic feet..	.....	.....

Twelve dozen in a case.

**CAST IRON CUSPIDORS.**SELF-RIGHTING. WHITE ENAMELED INSIDE, PAINTED  
OUTSIDE, WITH BROAD GOLD BANDS.

Code.....	Julifort
Number .....	<b>49</b>
Per dozen .....	\$10.00
Weight per doz., lbs.....	69

Two dozen in a case.

**COMPOSITE HARD METAL  
CUSPIDORS.**

NICKEL-PLATED. SELF-RIGHTING LOADED BOTTOM.

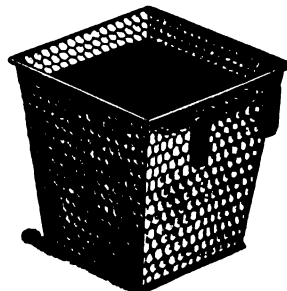
Code.....	Jumentar
Number .....	<b>25</b>
Inches .....	7 1/2 x 5 1/2
Per dozen.....	\$18.00
Weight per doz., lbs.....	36

One in a box.

**STEAMSHIP BERTH  
CUSPIDORS.**HAMMERED METAL. NICKEL-PLATED, WITH PAPER  
RECEPTACLES. ABSOLUTELY SANITARY.

Code.....	Jungent
Number .....	<b>11</b>
Top, inches.....	6x6
Height, inches .....	6
Per dozen .....	\$12.00
Weight per doz., lbs.....	16

One in a box.



**PAPERS FOR No. 11 CUSPIDORS.**

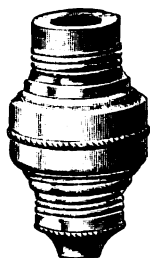
FIRE PROOF AGAINST LIGHTED CIGAR STUMPS, MATCHES, ETC., AND WILL

HOLD WATER 48 HOURS.

Code..... Junipera

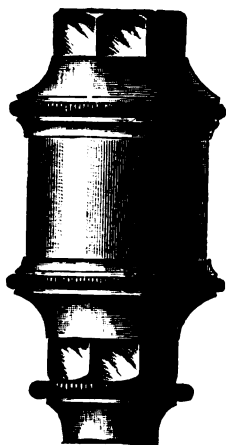
Per 100..... \$3.75

One hundred in a package.

**"SULTANA" WATER FILTERS.**SELF-CLEANING. REVERSIBLE. BRASS. NICKEL-PLATED  
PERFORATED STRAINERS. FILLED WITH THE  
BEST FILTERING MATERIAL KNOWN.

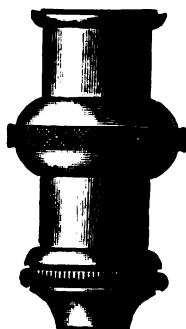
Code.....	Juponder	Juraduro	Juramento
Fits faucets, inch.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Length, inches.....	3	3	3
Diameter, inches.....	$1\frac{7}{8}$	$1\frac{7}{8}$	$1\frac{7}{8}$
Per dozen.....	\$3.00	3.00	3.00
Weight per doz., lbs.....	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$

One dozen in a box.

**WATER FILTERS.**CAST BRASS. NICKEL-PLATED. REVERSIBLE.  $\frac{1}{4}$ -INCH  
HOSE THREAD.

Code.....	Jurassist
Number.....	1
Length, inches.....	$4\frac{1}{2}$
Diameter, inches.....	$2\frac{1}{2}$
Per dozen.....	\$17.00
Weight per doz., lbs.....	15

One-half dozen in a box.

**WATER FILTERS.**CAST BRASS. NICKEL-PLATED. REVERSIBLE.  $\frac{1}{4}$ -INCH  
HOSE THREAD.

Code.....	Jurator
Number.....	2
Length, inches.....	$3\frac{1}{2}$
Diameter, inches.....	2
Per dozen.....	\$12.00
Weight per doz., lbs.....	$7\frac{1}{4}$

One-half dozen in a box.

**"CROTON" WATER FILTERS.**CAST BRASS. NICKEL-PLATED.  $\frac{3}{4}$ -INCH HOSE THREAD.

Code.....	Jurensib
Number.....	8
Length, inches.....	2 $\frac{1}{4}$
Diameter, inches.....	1 $\frac{1}{2}$
Per dozen.....	\$6.00
Weight per doz., lbs.....	3

One dozen in a box.

**"CHAMPION" WATER FILTERS.**

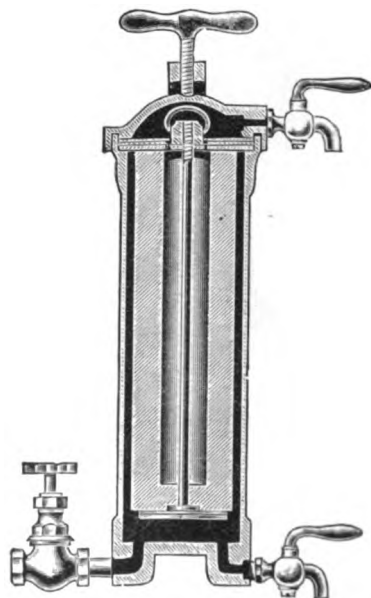
POLISHED BRONZE METAL. NICKEL-PLATED. WITH GERM-PROOF, NATURAL STONE FILTER TUBES.

The Tubes used in the "Champion" Filters are the only perfect filtering material known. Impurities never penetrate their surface. Its pores are naturally disposed so that while water will rapidly percolate through the material all germs, microbes and impurities of every description remain on the surface, from which they can be easily washed by brushing, the stone remaining white and pure. All solid, insoluble matter in the water, whether organic or inorganic, is completely separated, leaving bright, clear, pure water as a filtrate.

The rod which passes through the stone gives it strength and stability. Handsome in appearance and very simple in construction.



Cut Shows Style No. 2

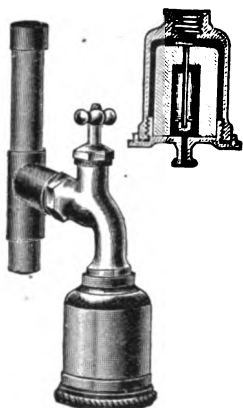


Sectional View.

Code.....	Jurgate
Number.....	2
Length of stone, inches.....	9
Diameter of stone, inches.....	2 $\frac{1}{2}$
Capacity per hour, gallons.....	25
Connection iron pipe size, inch.....	$\frac{1}{2}$
Each.....	\$12.50
Weight each, lbs.....	9
Shipping measure each, cubic feet.....	$\frac{1}{4}$

One in a box.

## “CHAMPION” WATER FILTERS.



SAME GENERAL CONSTRUCTION AS No. 2. WITH  $\frac{3}{4}$ -  
INCH HOSE THREAD, SO THAT FILTER CAN BE  
ATTACHED TO FAUCET.

Code .....	Juridium
Number.....	<b>1</b>
Length of tube, inches.....	$2\frac{1}{2}$
Diameter of tube, inches.....	$\frac{1}{2}$
Capacity per hour, gallons.....	4
Each ...	<b>\$2.50</b>
Weight each, lbs.....	1

One in a box.

## “CHAMPION” WATER FILTERS.



SAME GENERAL CONSTRUCTION AS No. 2 WITH  $\frac{3}{4}$ -  
INCH HOSE THREAD, SO THAT FILTER CAN BE  
ATTACHED TO FAUCET.

Code.....	Jurigand
Number.....	<b><math>1\frac{1}{2}</math></b>
Length of tube, inches.....	$4\frac{1}{2}$
Diameter of tube, inches.....	$2\frac{1}{8}$
Capacity per hour, gallons.....	8
Each.....	<b>\$3.75</b>
Weight each, lbs.....	$1\frac{1}{2}$

One in a box.

### Extra Stones for Champion Filters.

Code.....	Jurigette	Jurigole	Jurigust
Numbers.....	<b>1</b>	<b><math>1\frac{1}{2}</math></b>	<b>2</b>
Each.....	<b>\$0.63</b>	<b>.88</b>	<b>1.88</b>

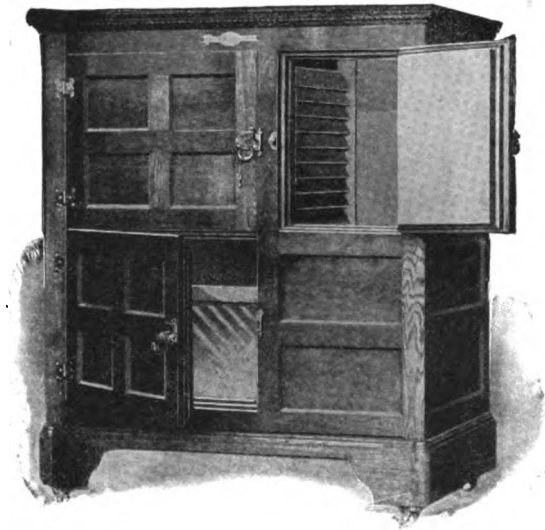


# BOHN "DRY AIR SYPHON" ENAMELED

NEW PERFECTION,

EDSON PORCELAIN LINED, NATIONAL AND CENTURY

## REFRIGERATORS.



MAGIC,

LIGHTNING,

BLIZZARD,

MAMMOTH MAGIC,

JUMBO LIGHTNING,

DOUBLE ACTING CROWN,

AND SEAMANS' POWER

ICE CREAM FREEZERS AND ICE TOOLS, ETC.

## "DRY AIR SYPHON" WHITE ENAMEL-LINED REFRIGERATORS.

CONSTRUCTED ON SCIENTIFIC PRINCIPLES.

### Circulation.

Referring to the detail plan of construction given below. The cold air passes through a galvanized iron grating in the bottom of the ice chamber into the provision chamber, rising through the openings provided in the shelves, and is drawn back through the syphons into the ice chamber, and through and around the ice, whereby all vapors and odors given off by the provisions are condensed and deodorized, thus leaving all impurities to pass off through the drip pipe with the melted ice. This condensation is the same as seen on a pitcher or glass of ice water coming in contact with the warm, moist air, and is also illustrated by the breath in a cold, frosty atmosphere. It will therefore be seen that all odors and gases are removed, and the pure, dry air returns to the provision chamber, thus providing the most favorable conditions possible for the preservation of all articles stored in the food chambers, and explains why fruits do not taint milk and the like in Bohn Refrigerators.

Owing to the circulation above described it is impossible for moisture to accumulate on the walls of the provision chamber. The result is that the air in the provision chamber is dryer than the external air.

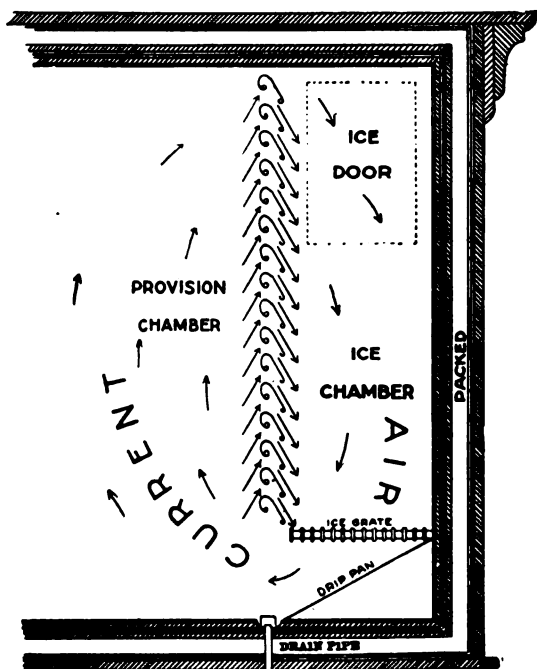
An experiment will show that a wet cloth placed in the provision chamber will become dry in a shorter time than if suspended in the air without.

### Drip Pipe and Trap.

The patent Trap is placed on the inside of the refrigerator, where it is always in sight and easily reached for cleaning. The Trap placed as it is requires a drain pipe only three inches long.

### Material.

The woodwork is thoroughly seasoned, selected oak or birch. The hardware is of solid brass, polished, and of handsome design and finish. The latches have **Patent Lever Catches** that draw the doors absolutely tight and prevent the escape of cold air. The casters are of the latest anti-friction pattern, supported by iron plates, and cannot fall out or break. They are easily and quickly removed if desired. The ice chambers are lined with galvanized iron throughout. The provision chambers are lined with white enamel. These **White Enamel Linings** are used both for cleanliness and purity; the materials are pure, odorless, non-porous and non-absorbent. A little rinsing or wiping with a moist cloth keeps them absolutely clean.





## "DRY AIR" SYPHON REFRIGERATORS.

MADE OF OAK. WHITE ENAMELED LININGS.



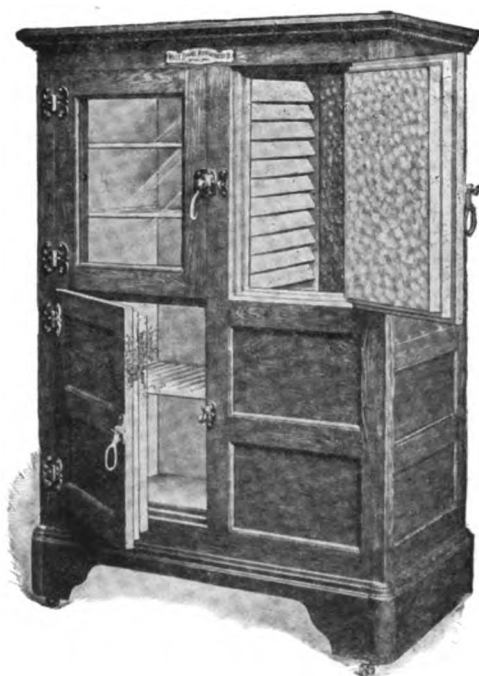
Cut Shows Style, Nos. 1B, 2B, 3B. One Glass Door.

Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kalbskop.....	<b>1B</b>	34x20x40	11x14x22	14x14x28	65	190	18 $\frac{1}{3}$	\$31.50
Kalbut.....	<b>2B</b>	38x21x44	12x15x26	16x15x32	90	250	23 $\frac{5}{12}$	37.50
Kalched.....	<b>3B</b>	41x22x50	12x16x30	18x16x37	125	295	29 $\frac{5}{16}$	43.50

All Glass Doors are set with three thicknesses of glass, thereby forming two dead air spaces which make a perfect insulation, prevent sweating and keep the glass from becoming clouded.

## "DRY AIR" SYPHON REFRIGERATORS.

MADE OF OAK. WHITE ENAMELED LININGS



Cut shows Style No. 3 1/4 D. One Glass Door.

Code.	No.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kalfstone .....	<b>3 1/4 D</b>	38x21x55	12x15x36	16x15x44	140	340	29 1/2	\$51.00

No. 3 1/4 D takes up no more floor space than No. 2B, but has one-third more cooling capacity.

All Glass Doors are set with three thicknesses of glass, thereby forming two dead air spaces, which make a perfect insulation.

**"DRY AIR" SYPHON REFRIGERATORS.**

MADE OF OAK. WHITE ENAMELED LININGS



Cut shows Style No. 3½D. One Glass Door.

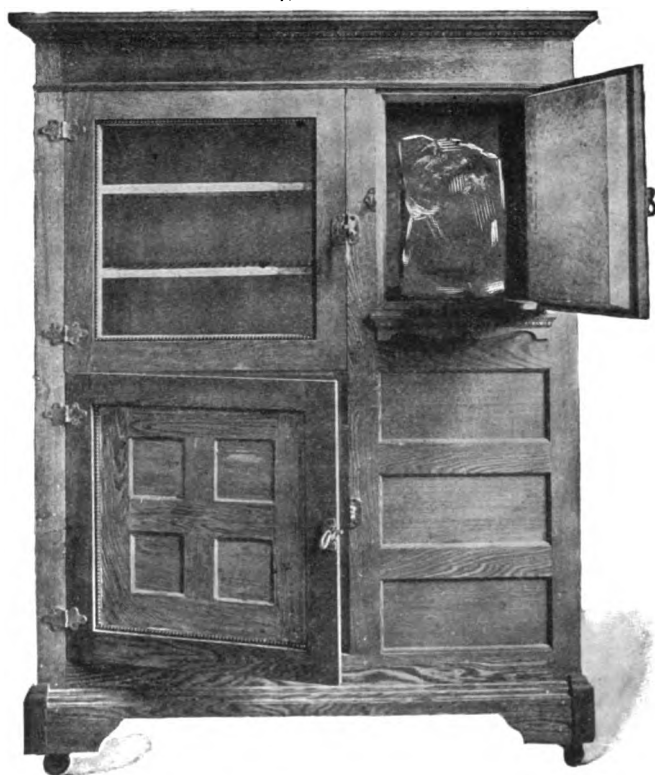
Code.	No.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kalidam.....	<b>3½D</b>	41x22x66	12x16x46	18x10x53	165	400	38½	\$58.50

No. 3½D is of large construction, but requires no more floor space than No. 3B.

•All Glass Doors are set with three thicknesses of glass, thereby forming two dead air spaces, which make a perfect insulation.

## "DRY AIR" SYPHON REFRIGERATORS.

MADE OF ASH. WHITE ENAMELED LININGS.



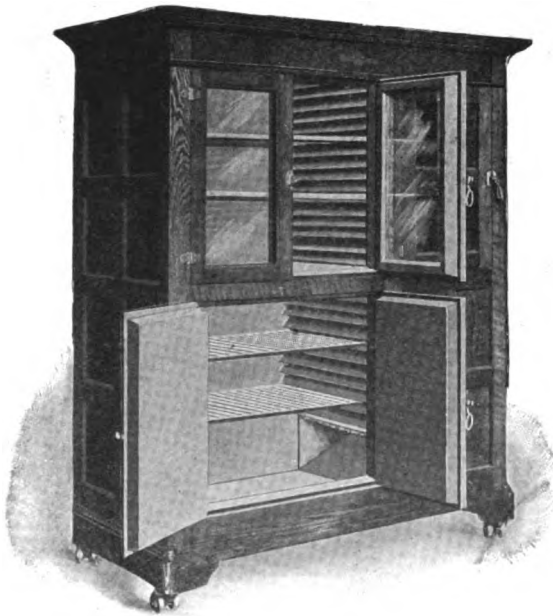
Cut shows Style Nos. 4E and 5E. Two Glass Doors.

Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kaligeno .....	<b>4E</b>	48x26x55	14x19x36	24x19x44	175	400	44 $\frac{1}{2}$	\$61.50
Kalink.....	<b>5E</b>	48x26x66	14x20x46	24x20x54	225	500	53 $\frac{1}{2}$	76.50

All Glass Doors are set with three thicknesses of glass, thereby forming two dead air spaces, making a perfect insulation. This prevents sweating and keeps the glass from becoming clouded.

## "DRY-AIR" SYPHON REFRIGERATORS.

MADE OF OAK. WHITE ENAMELED LININGS. FOR RESIDENCES, GROCERS AND FLORISTS.



Cut Shows Style No. 6D. Two Glass Doors.

Code.	No.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kaiser .....	<b>6D</b>	59x27x74	19x22x53	31x22x60	400	730	75¼	\$115.50

All Glass Doors are set with three thicknesses of glass, thereby forming two dead air spaces, which make a perfect insulation.

**"DRY-AIR" SYPHON REFRIGERATORS.**

MADE OF OAK. WHITE ENAMELED LININGS.



Cut Shows Style No. 8. Two Glass Doors.

Code.	No.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kalkacht.....	8	68x29x77	18x23x56	19x23x61	400	825	87½	\$150.00

No. 8 has two provision chambers, each 19x23x61 inches.

The ice chamber is in the middle.

All Glass Doors are set with three thicknesses of glass, thereby forming two dead air spaces, which make a perfect insulation.

**POINTS OF SUPERIORITY IN**

**BELDING'S "NEW PERFECTION" REFRIGERATORS**

**AND ICE CHESTS.**

They are all made of thoroughly seasoned, selected Ash lumber, finished in Antique.

The Locks and Hinges are of Solid Brass, with Roman Gold finish.

Self-Retaining Casters are used.

The Automatic Air-Tight Locks are the best in use.

The Case is ornamented with Raised Hand Carvings.

The system of Insulation is acknowledged to be the best known.

The Provision Chamber Shelves and Ice Rack are made of Galvanized Iron.

The Self-Closing Drip Cup is easily cleaned and very convenient.

The Swinging Base Board permits the use of a large drip pan.

The Lids are made of extra heavy lumber, and will not warp.

The Removable Waste Pipe is easily cleaned.

## REFRIGERATORS.

### INSULATION

A great many different ideas exist as to what constitutes the best insulation for refrigerators. The matter has been given a very thorough study, and after many investigations and experiments with fillings, it has been found there is nothing so reliable and satisfactory as charcoal sheathing and mineral felt, glued on each side of a dead air space.

Charcoal sheathing is pure carbon or charcoal pressed into sheets, and by certain processes rendered absolutely impervious to air or moisture, and a perfect non-conductor.

Mineral felt is a combination of mineral wool, asbestos and hair felt. By using these the manufacturer is enabled not only to insulate the walls of the refrigerator, but the door and lid as well, which cannot be said of filling in the lump or powdered form. This is a very important feature, as a door or front of a refrigerator, being always exposed, requires equal, if not better insulation than the walls.

These fillings possess great advantages over other fillings from the fact that they cannot settle in the walls, leaving the ice chamber unprotected, nor can they sift through the joints, soiling the refrigerator, as in the case of powdered charcoal.

Dead air is absolutely the best insulation that can be used in refrigerators, as is clearly shown from the following list of tests made of non-conductors of heat, for insulation. The figures below show the number of heat units transmitted per square foot per hour through same thickness of material, one inch being the basis used, and are taken from a list of tests made by John M. Ordway, Professor of Chemistry in Tulane University of Louisiana:

Dead air.....	43
Ground cork.....	45
Solid cork.....	49
Mineral wool.....	50
Hair felt.....	56
Asbestos.....	56
Charcoal.....	58

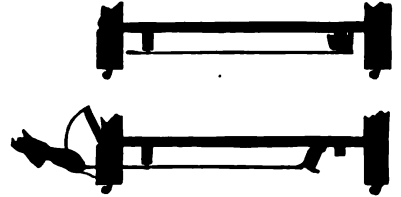
As charcoal sheathing and mineral wool felt are used on each side of an air space in the New Perfection Refrigerators, an absolutely dead air space is obtained.

These practical and essential points, taken together with the fact that in a test made with leading competitors a lower temperature with an equal amount of ice was produced, prove conclusively that our line of refrigerators has the best insulation of any refrigerator on the market. There are no exceptions.



**METAL ICE RACKS.****THE NEW DRIP CUP.**

Patented.



One of the greatest improvements is the Solid Metal Ice Rack, for which is claimed, and the trade concedes, the following points of excellence :

1st. Its construction is such as to admit of an unobstructed circulation of pure, dry, cold air.

2d. The objection often raised to the old wooden rack, and its tendency to form a partial obstruction to the free flow of water to the waste pipe, allowing quite a quantity to remain in the ice chamber and become impregnated with odors, is overcome.

3d. It being a fact that water soaked wood will absorb the odors from the provision chamber, a solid metal rack is much superior in every respect.

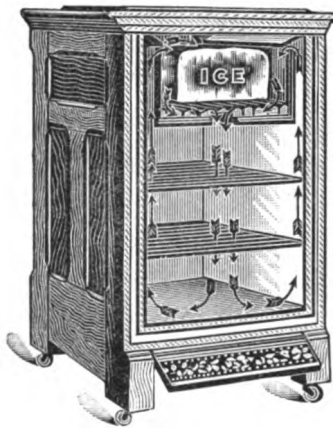
4th. The rack is supported by bands of galvanized iron, riveted to the corrugated surface, which, for strength and durability, cannot be equaled.

5th. It being made wholly of metal gives a larger condensing surface than any other rack made.

The new **Drip Cup Attachment**, that will be put upon all the Perfection Refrigerators, is the best of its kind; simple, easy to operate and cannot get out of order. To empty the Cup you merely raise the front base board, pull the rod attached to Cup; this inverts the Cup and discharges the waste; let go of rod and Cup returns to proper position.

## METHOD OF CONSTRUCTION

—OF—

**BELDING'S "NEW PERFECTION" REFRIGERATORS.**

The above cut shows a sectional view of the "New Perfection Refrigerator," the arrows showing the direction of the air current.

The outer case is made of kiln-dried hardwood lumber, ash and oak; the panels are in one piece and grooved into rails and stiles, making a perfectly tight cabinet; they are finished in shellac and the best quality of coach varnish. The inner case or body is of thoroughly seasoned, matched whitewood, lined with zinc; to this body are fastened hardwood cleats, which support the outside case, making a Refrigerator which for strength and durability cannot be excelled. The space between the outer and inner cases is sheathed with charcoal and mineral felt.

The floors of the provision chambers are on a level with the bottom of the doors, making it easy to keep clean, should anything be dropped or spilled thereon.

The provision chambers are lined with zinc and furnished with metal racks.

**HARDWARE.**

The above illustrations show our new trimmings.

They are made of solid brass, Roman gold finish, and are the handsomest and most practical ever put on a Refrigerator.

The lock is one that can be shut with a slam and it will at once draw the door into an air-tight joint. The strike runs on a screw and is easily adjusted so the door will close air-tight.

In the above illustrations, A represents the adjustable strike, B is the screw by which the strike is adjusted, and C is the screw-socket in the striking plate.

The hinges are heavy and do not break easily.

**"NEW PERFECTION" REFRIGERATORS.**

MADE OF ASH. MINERAL FELT INSULATION. ZINC LINED.



Cut shows Styles Nos. 0, 07, 7, 8.

Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Juristic.....	<b>0</b>	26x16½x42	15½x10¾x11¼	18¼x11x15¼	40	115	10⅓	<b>\$19.45</b>
Jurkengo.....	<b>07</b>	28x19x44	17½x12½x11¾	20¼x12¾x16¾	50	140	13¾	<b>25.25</b>
Jurulent.....	<b>7</b>	30x20x46	19½x13½x12½	22¼x14x17¾	75	150	16⅓	<b>28.20</b>
Jurupan.....	<b>8</b>	33x22x48	22¼x15¾x13¼	25½x16¼x19	90	180	20⅓	<b>32.70</b>



Cut shows Styles Nos. 200, 207, 27, 28.

Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Jussenti.....	<b>200</b>	26x16½x42	11x10¾x11¼	18¼x11x15¼	25	125	10⅓	<b>\$23.90</b>
Jussulent.....	<b>207</b>	28x19x44	12½x12½x11¾	20¼x12¾x16¾	40	145	13¾	<b>30.85</b>
Justator.....	<b>27</b>	30x20x46	14x13½x12½	22¼x14x17¾	60	160	16⅓	<b>33.75</b>
Justeer.....	<b>28</b>	33x22x48	17x15¾x13¼	25½x16¼x19	75	195	20⅓	<b>39.30</b>

Nos. 200, 207, 27, 28 have Porcelain lined Water Coolers in ice chambers.

**"NEW PERFECTION" REFRIGERATORS.**

MADE OF ASH. MINERAL FELT INSULATION. ZINC LINED.



Cut shows Style No. 10 1/2.



Cut shows Style No. 2.

Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Justicote.....	<b>10 1/2</b>	38x25x42	27x18 1/4 x12 1/2	30 1/4 x19x14	140	205	23 3/4	\$36.60
Justinia .....	<b>2</b>	38x22 1/2 x47	27x16x10	30x16x17	110	215	24 1/4	37.65



Cut shows Style No. 22.

Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Jutland .....	<b>22</b>	38x22 1/2 x47	22x16x10	30x16x17	90	230	24 1/4	\$44.35

No. 22 has Porcelain-lined Water Cooler in ice chamber.

All refrigerator manufacturers give extreme outside measurements, including casters. The ice capacity is obtained from the number of cubic inches in the ice chamber.

**"NEW PERFECTION" REFRIGERATORS.**

MADE OF ASH. MINERAL FELT INSULATION. ZINC LINED.



Cut shows Style No. 3.

Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kaback .....	8	40x24x49	27x17x13 ½	14 ¾ x18x20 ¾	150	275	27 ¾	\$45.50
Kabalter.....	4	40x24x52	27 ½ x16 ½ x14	15x17 ½ x21 ¼	170	290	29 ½	51.60
Kabeldra.....	4 ½	42x27x54	29 ½ x19x15	15 ¾ x19 ¾ x22	220	340	36	58.50
Kabelknot.....	5	45x28x56	32x20x16	17 ¼ x20 ½ x24 ¼	250	375	41 ½	64.40

Nos. 3, 4, 4 ½ and 5 have two provision chambers each, of above dimensions.



Cut shows Style Nos. 4, 4 ½ and 5. Open.

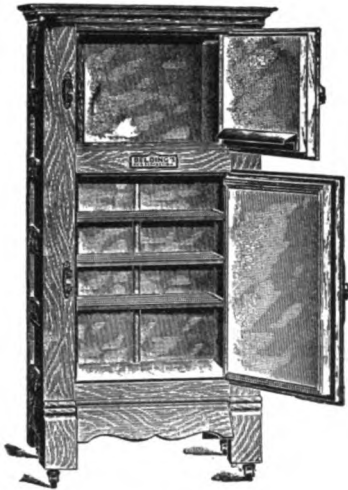


Cut shows Style Nos. 4, 4 ½ and 5. Closed.

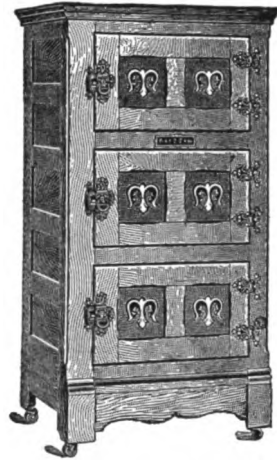
All refrigerator manufacturers give extreme outside measurements, including casters. The ice capacity obtained from the number of cubic inches in the ice chamber.

**"NEW PERFECTION" REFRIGERATORS.**

MADE OF ASH. MINERAL FELT INSULATION. ZINC LINED.



Cut shows Style Nos. 7½ and 8½.



Cut shows Style No. 9½.

Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kabelmate .....	7½	29x20x54	18x13x16½	21½x14x23	65	175	18½	\$31.35
Kabelstot .....	8½	31x22x56	21x16x15¾	24¼x16½x23¼	100	210	22½	36.60
Kabelweit .....	9½	34x23x64	22¼x16¼x19½	26½x17x29½	125	255	29½	46.15

No. 9½ has a removable bar between the two lower doors.

**"NEW PERFECTION" ICE CHESTS.**

MADE OF ASH. ZINC LINED. WITH HARDWOOD RACK TO PROTECT BOTTOM.

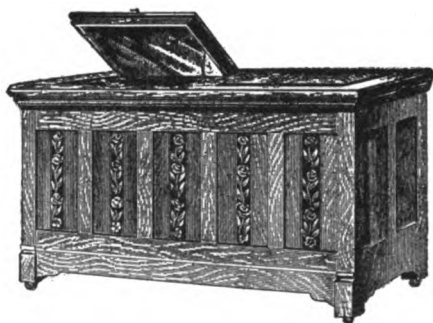


Code.	Nos.	Outside, Inches.	Inside, Inches.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kabinete.....	6	25x17x25	17¼x10¼x14½	75	6¼	\$10.75
Kaboot.....	9	29x20x25	21x13½x14½	85	8½	13.20
Kabulis.....	10	32x21x26	24x14½x15½	100	10	14.90
Kachel.....	11	35x23x29	27x16½x19½	125	13½	18.10
Kachump.....	12	37x25x31	28½x18¼x20	145	16	20.75
Kadette.....	13	41x27x33	32¼x20¼x22	185	21	24.40

Nos. 6 to 11 have two metal Ice Racks inside. Nos. 12 and 13 have four metal Ice Racks inside.

## **"NEW PERFECTION" GROCERS' ICE CHESTS.**

MADE OF ASH. ZINC LINED. WITH TWO HARDWOOD RACKS TO PROTECT BOTTOM.



Code.	No.	Outside, Inches.	Inside, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	E. ch.
Kadjage .....	<b>70</b>	57x32x37	47 1/4 x24x26 1/2	300	360	39	<b>\$52.10</b>

Four Metal Racks Inside. Two Top Doors.



**"NEW PERFECTION" REFRIGERATORS.**

MADE OF ASH. BEVELED PANELS. MINERAL FELT INSULATION.

For Grocers, Hotels and Meat Markets.

The refrigerators are all positively Dry Air, made of thoroughly seasoned and kiln-dried Ash lumber. They are lined throughout with galvanized iron, and the shelves are made of galvanized iron, which is both durable and clean.

They are all provided with a sliding glass shelf, which is so arranged that the plate glass can easily be removed for cleaning.

The insulation is perfect.



Cut shows Style No. 16.

Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kadlube.....	<b>14</b>	49x28x65	35 $\frac{3}{4}$ x 20 $\frac{3}{4}$ x 18	19 $\frac{1}{4}$ x 19 $\frac{3}{4}$ x 30 $\frac{1}{2}$	300	510	51 $\frac{1}{2}$	\$ 88.55
Kadrank .....	<b>15</b>	50x34x71	35 $\frac{3}{4}$ x 26 $\frac{1}{2}$ x 19 $\frac{1}{4}$	19 $\frac{3}{4}$ x 25 $\frac{1}{2}$ x 33	350	650	70	106.45
Kaeltich .....	<b>16</b>	60x38x82	45x30x22 $\frac{1}{2}$	24 $\frac{1}{2}$ x 29 $\frac{1}{4}$ x 39 $\frac{1}{2}$	500	960	108	143.25

All have two provision chambers, each of above dimensions.

Nos. 14 and 15 have one door on right hand side of Provision Chamber.

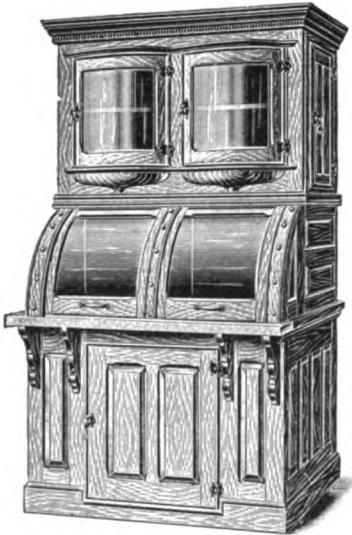
No. 16 has two doors on right hand side of Provision Chamber, with removable Bar between.

CROCERS' ROLL-TOP REFRIGERATORS.

MADE OF QUARTER-SAWED WHITE OAK. GALVANIZED IRON LININGS. HEAVY NICKEL HARDWARE.

With Marble Slab resting on brackets that are removable, forming a front shelf. The rolled doors are of wood, with beveled plate glass fronts, joined by nickel-plated strips in center. They have felt on the inside to make the rolled doors air-tight.

They have doors in each end of ice compartment, so can be filled from either side.



Cut shows Style No. 17.



Cut shows Style No. 20.

Code.	Nos.	Width, Inches.	Depth, Inches.	Height, Inches.	Ice Capac- ity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kaengur.....	17	48	40	83	350	750	104 3/4	\$175.00
Kaerglit.....	18	64	40	83	450	1275	136 1/2	225.00
Kaffear.....	20	84	40	83	650	1400	177 1/6	290.00

Depth of these refrigerators, including marble slab, 45 inches.

No. 17 has two roll top compartments and a capacity of 4 tubs of butter.

No. 18 has three roll top compartments and a capacity of 10 tubs of butter.

No. 20 has four roll top compartments and a capacity of 15 tubs of butter.

Besides above capacities these refrigerators have display room for three to four tubs of butter, and separate compartments for roll butter or bottled goods.

**"EDSON" REFRIGERATORS.**

GENUINE HIGH GRADE, PORCELAIN LINED.

## Points of Excellence:

Made of quarter-sawed white oak, thoroughly seasoned.

Highest grade finish, shellaced with best quality of coach varnish.

Inside construction, made of tongued and grooved seasoned ash; an eighth of an inch allowed between joints to take up contraction or expansion. The inside case is fastened to the body of refrigerator by hardwood cleats which gives extra strength.

Construction of walls. Outside case is made of quarter-sawed white oak. 2. Charcoal sheathing. 3. Dead air space. 4. Mineral felt. 5. Inner casing. 6. Zinc lining. 7. Air space. 8. Porcelain lining.

Extra heavy doors, insulated same as walls of refrigerator with felt strips on casing so as to render them air-tight. This, with the lever locks, makes them perfect fitting doors.

Insulation. The non-conducting sheathings, charcoal and mineral felt, are nailed under the posts, which holds them firmly in place, and make an absolute dead air space. From past experience we have proved this to be the best insulation for refrigerators.

The outside case is made durable and strong and has no mitre joints to come apart.

Trimmings are all of solid brass, heavily nickel-plated, and are strong and handsome. We use a nickel lever lock which clamps the doors absolutely air-tight.

The ice chamber is lined with nickel and will not corrode. The ice rack is of heavy galvanized iron, braced with heavy steel bands and will not break down.

The provision chamber is lined with heavy porcelain lining baked on sheet steel.

The drain pipe is removable, made of nickel, neatly turned and easily cleaned.

The shelves are of heavy white enameled metal.

The drip cup is self-closing, is operated from the front, and by pulling the rod will empty the cup and prevent dripping while pan is removed.

Swinging baseboard allows using a large drip pan.

Self-retaining casters. Will not fall out.

Extra heavy lids. We use one and one-quarter inch lumber, dressed; others use one inch.

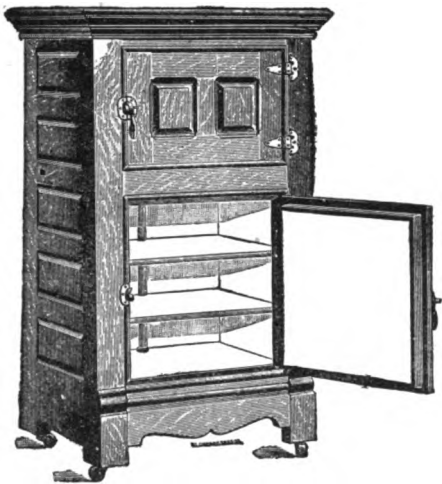
The panels are heavily beveled, prevent swelling, and give a rich appearance to the refrigerator.

Cleanliness. The porcelain lining gives an absolutely smooth surface and is easily cleaned. House-keepers have had to put up with tile, with its frequent cracking, the crevices holding grease and impurities, but now can have a perfectly clean and healthful refrigerator.

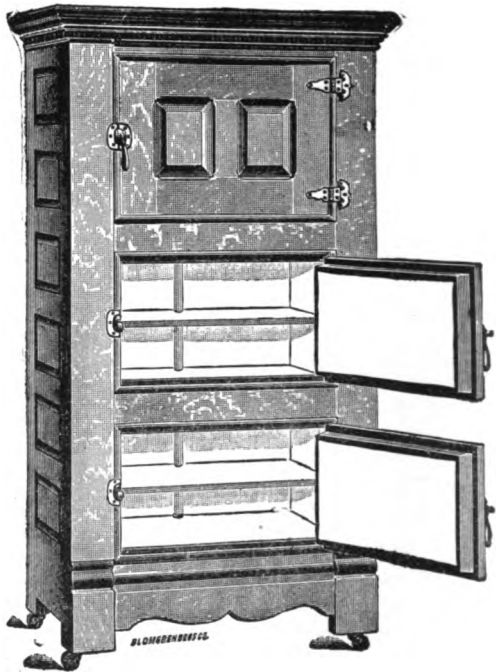
In purchasing an Edson Refrigerator, as above stated, you will have a handsome, durable, clean and healthful refrigerator; but, above all, we wish to lay special emphasis on its economy of ice and food-preserving qualities.

“EDSON” REFRIGERATORS.

MADE OF QUARTER-SAWED WHITE OAK. PORCELAIN LINED.



Cut shows Style No. 725.



Cut shows Style No. 727.

Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kaffegro .....	<b>725</b>	33x23x55	20x16½x12	20x16½x20½	125	300	27½	\$ 80.00
Kaftang.....	<b>727</b>	36x24x65	21x17x13¾	21x17x27½	150	375	37½	105.50
Kahlhet.....	<b>729</b>	45x27x58	29¾x20x12¾	11¾x20x23	225	500	47¼	126.00
Kahlnesse.....	<b>731</b>	50x28x65	34x20¾x13	14½x20¾x28½	300	630	57¼	160.00

Nos. 729 and 731 have two provision chambers each of above dimensions.



Cut shows Style No. 729.



Cut shows Style No. 731.

**NATIONAL REFRIGERATORS.**

HAVE THE FOLLOWING POINTS OF EXCELLENCE:

Seasoned Ash Lumber, Antique Finish.

Removable Galvanized Ice Chamber and Drip Pan.

Solid Brass Hardware, Roman Gold Finish.

Self-Closing Drip Cup.

Galvanized Iron Shelves.

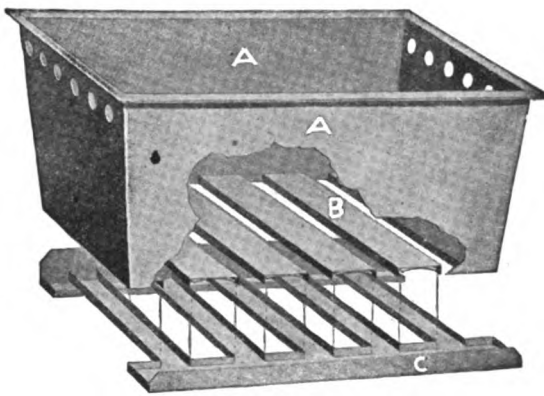
Hand-Carved Panels.

Self-Retaining Casters.

Swinging Base Boards.

Perfect Insulation, Extra Heavy Lid.

Removable Waste Pipe.

**REMOVABLE ICE CHAMBER AND DRIP PAN.**

A shows Ice Chamber, made of heavy galvanized iron.

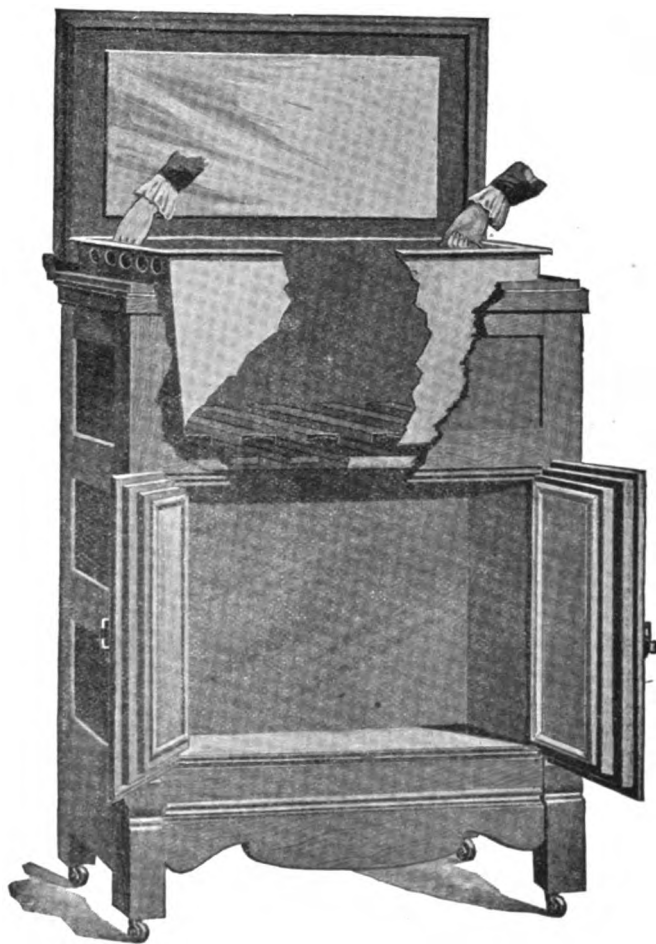
B shows bottom of Ice Chamber, made of heavy galvanized iron, two thicknesses.

C shows Drip Pan underneath ice chamber.

For description of Self-Closing Drip Cup see page 654.

**NATIONAL.**

CLEANABLE. SOLID ASH REFRIGERATOR.



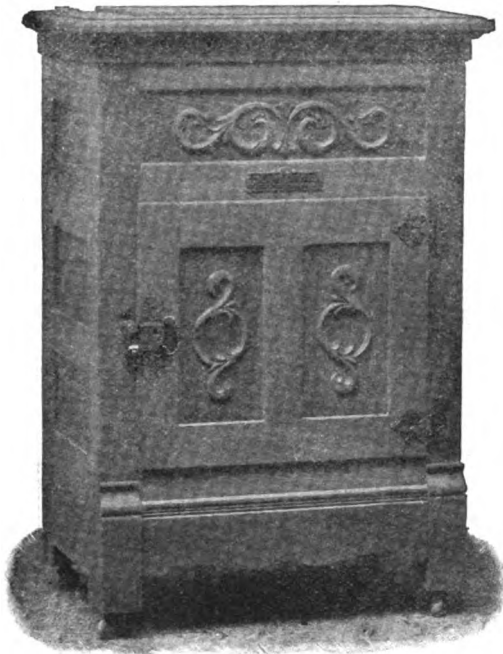
Showing How to Remove Ice Compartment.

To clean the Refrigerator remove the ice chamber and drip pan, then take out the shelves and waste pipe. This will leave the inside of Refrigerator clear of all obstructions. It can then be scoured with **warm water and soda**, which will leave it sweet and clean.

For cut showing construction of box and direction of air currents, see page 655.

## “NATIONAL” REFRIGERATORS.

MADE OF SOLID ASH. WITH REMOVABLE ICE CHAMBERS.



Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kahlpape .....	<b>480</b>	28x18x42	18x10x8½	19½x10x15½	55	125	12¼	\$22.45
Kahnbeck .....	<b>482</b>	31x19½x43	21x11¾x9	21¾x13¼x17½	65	150	15½ <sub>12</sub>	27.00
Kahnfrat .....	<b>484</b>	34x21x46	24x13½x10	24¾x15¼x19	90	180	19	31.55

All refrigerator manufacturers give extreme outside measurements, including casters. The ice capacity is obtained from the number of cubic inches in the ice chamber.

**"NATIONAL" REFRIGERATORS.**

MADE OF SOLID ASH. WITH REMOVABLE ICE CHAMBERS.



Code.	Nos.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capac- ity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kahouan. ....	<b>486</b>	30x19x51	18½x12½x11½	21½x13¼x19¼	65	175	16⅞	\$29.80
Kahtabo. ....	<b>488</b>	33x20x58	21x13x14¼	24x14¼x19½	100	220	22⅞	36.30

All refrigerator manufacturers give extreme outside measurements, including casters. The ice capacity is obtained from the number of cubic inches in the ice chamber.



**CENTURY REFRIGERATORS.**

MADE OF ASH. FINISHED IN DARK ANTIQUE. SOLID BRONZE TRIMMINGS. GALVANIZED IRON SHELVES, GALVANIZED IRON LININGS (NO WOOD EXPOSED), SELF-RETAINING CASTERS, REMOVABLE DRIP PIPE AND SWINGING BASE BOARD.

The outside Cases are Handsomely Ornamented by Hand Carving.  
These Refrigerators are constructed with a Charcoal Sheathing and Dead Air Space Insulation.



Cut shows Styles A, B, BB, C and CC.



Cut shows Styles K, L, M, N and H.

Code.	Style.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kalacote .....	<b>A</b>	24x16x39	15 $\frac{1}{4}$ x11x10	17x11 $\frac{1}{4}$ x14 $\frac{1}{2}$	30	100	8 $\frac{2}{3}$	\$14.55
Kalandere .....	<b>B</b>	26x17x40	18x12x10	20x12x15	40	110	10 $\frac{1}{4}$	17.85
Kalafir .....	<b>BB</b>	28x18x42	20x13x11	22x13x16	50	125	12 $\frac{1}{4}$	20.10
Kalbach .....	<b>C</b>	30x19x44	21x13x12	22 $\frac{3}{4}$ x13 $\frac{1}{4}$ x17	65	135	14 $\frac{1}{2}$	22.50
Kalbfuss .....	<b>CC</b>	32x21x46	22x14x13	23x14x18	75	150	17 $\frac{1}{2}$	25.70

Style A has one galvanized iron shelf in provision chamber.

Styles B, BB, C and CC have two galvanized iron shelves in provision chambers.

**Same as Above Styles with Porcelain Lined Water Coolers.**

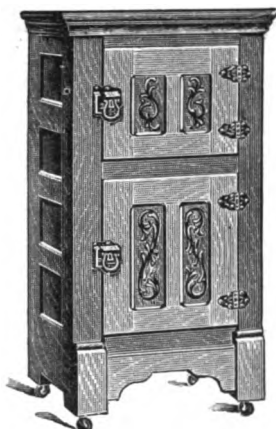
Code.	Style.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kalbshir .....	<b>K</b>	24x16x39	11x11x10	17x11 $\frac{1}{4}$ x14 $\frac{1}{2}$	25	110	8 $\frac{2}{3}$	\$19.25
Kalbshist .....	<b>L</b>	26x17x40	13x12x10	20x12x15	35	120	10 $\frac{1}{4}$	22.10
Kalbshizor .....	<b>M</b>	28x18x42	15x13x11	22x13x16	40	135	12 $\frac{1}{4}$	24.55
Kalbshout .....	<b>N</b>	30x19x44	16x13x12	22 $\frac{3}{4}$ x13 $\frac{1}{4}$ x17	55	145	14 $\frac{1}{2}$	27.50
Kalbsido .....	<b>H</b>	32x21x46	17x14x13	23x14x18	65	160	17 $\frac{1}{2}$	31.40

Style K has one galvanized iron shelf in provision chamber.

Styles L, M, N and H have two galvanized iron shelves in provision chambers.

**"CENTURY" REFRIGERATORS.**

MADE OF ASH. FINISHED IN DARK ANTIQUE.



Cut shows Styles EE, E and F.

Code.	Style.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kalbsaffe.....	<b>EE</b>	24x18x50	15½x12½x16	16¾x12½x18	50	120	12½	\$23.35
Kalbsimmer.....	<b>E</b>	28x19x55	19½x13¼x17½	20¾x13¼x21½	75	160	16½	28.75
Kalbsippen.....	<b>F</b>	31x22x57	22x15x18½	22½x15x23	100	190	22½	34.15

All of above have three galvanized iron shelves in provision chambers.



Cut shows Styles D and P.



Cut shows Style G.

Code.	Style.	Outside, Inches.	Ice Chamber, Inches.	Provision Chamber, Inches.	Ice Capacity, Lbs.	Shipping Weight, Lbs.	Shipping Measure, Cubic Feet.	Each.
Kalbsjahn.....	<b>D</b>	36x21x46	27¼x15x11½	28¾x15¼x23	100	165	20½	\$32.80
Kalbsjard.....	<b>P</b>	36x21x46	22x15x11½	28¾x15¼x23	80	180	20½	38.00
Kalbsjoste.....	<b>G</b>	37x20x51	28x14½x15¼	28¾x14½x18¼	125	195	21½	40.75

Style D has two galvanized iron shelves in provision chamber.  
 Style P is the same as Style D, with Porcelain Lined Water Cooler.

## ICE CREAM FREEZERS.

NO OTHER FREEZERS HAVE CEDAR PAILS WITH ELECTRIC-WELDED WIRE HOOPS, GUARANTEED NOT TO BREAK OR FALL OFF, CANS OF HEAVY TIN-PLATE WITH DRAWN STEEL BOTTOMS, GUARANTEED NOT TO LEAK OR BREAK, AUTOMATIC TWIN SCRAPERS, MATERIALS AND WORKMANSHIP AS PERFECT.



**Pails of Cedar.** All pails are made of the best, thoroughly seasoned Virginia White Cedar, the best wood known to man for resisting the action of water. Cedar ware, as water pails, tubs, etc., has always commanded a higher price than similar pine ware, because of this quality, which is fully as important in a freezer as in a water pail or wash tub.

**Electric-Welded Wire Hoops.** The hoops are made of galvanized wire welded by electricity. They are imbedded by a patented process in grooves in the pail, and clamp the stave so tightly that it is impossible for them to fall off, nor can they be gotten off the pail without the use of force sufficient to ruin the hoops or pail.

In pails with flat hoops the hoops frequently drop off. The popular idea that the wood shrinks, allowing hoops to fall off, is a mistaken one. As a matter of fact, the wood does not shrink. Timber that has been cut up and properly dried cannot shrink any further, and pails made from such timber cannot shrink. What actually takes place is that when the pail becomes damp the wood swells and stretches the hoops. When the pail dries out it comes back to its original size, but the hoops cannot shrink and therefore fall off.



**Stronger, Handsomer, Last Longer.** In these electric-welded wire-hoop pails the extra strength of the wire hoop prevents it stretching. In addition, the wire hoop being round, only a small portion comes in contact with the wood. The result is that when the pail swells from dampness the wire hoop compresses the wood rather than stretch, keeps its original size, and being embedded in a groove in the pail, cannot fall off when the pail dries out. The flat hoop presents so much surface to the pail that it cannot compress the wood and must stretch when the pail swells from dampness and drop off when it dries out.

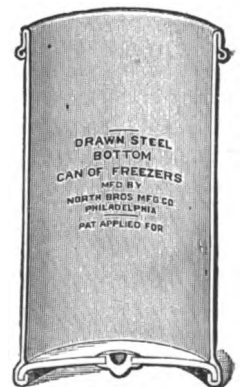
**Guaranteed Hoops Will Not Fall Off.** On every freezer is a label reading: "This pail is made of best Virginia White Cedar, with electric-welded wire hoops. They are twice as strong as the ordinary flat hoops and sunk in grooves and guaranteed not to fall off."

**Cans.** The Cans of the Magic, Lightning and Blizzard Freezers have a newly-invented Drawn Steel Bottom, which cannot fall out or break, and does not leak. It is far more secure and better tinned, and not liable to injury, as are the tin-plate or cast bottoms. This new bottom is made of heavy sheet steel, drawn into shape by powerful presses.

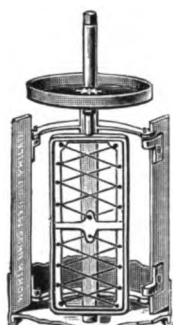
The bottom part of the side of can is spun out to form a shoulder, against which the bottom rests, and the lower edge of side is then spun over the lower edge of bottom, as shown in the cut, by special and patented machinery.

In the cans of Double-action Crown Freezer the bottoms are made of malleable iron.

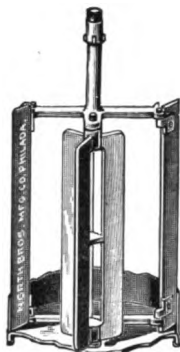
The sides or bodies of all cans are made of the finest quality of bright charcoal tin-plate of heavy gauge. They are folded and wired at top, with lock seam on side, and soldered both inside and outside. The can holds full measure of quarts given for size of freezer, with the dasher in the can.



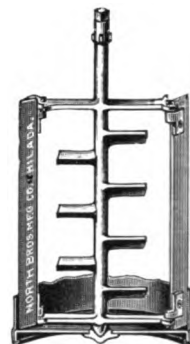
**The Automatic Twin Scrapers.** The Automatic Twin Scrapers insure automatic, positive and continuous scraping of frozen cream from side of can.



Magic.



Lightning.



Blizzard and Crown.

The illustrations show Dashers of Magic, Lightning and Blizzard Freezers with the Automatic Twin Scrapers.

The use of two scrapers is very old, but the automatic action is the most important improvement made in any freezer for many years past. The scrapers are hung on dasher so their lower ends rest on bottom of can, and the friction between ends of scrapers and can bottom when in motion moves the scrapers against side of can and holds them there positively and continuously. This device has been patented.

**Covered Gearing.** All gearing is completely covered, so that neither ice nor salt can get between the cogs to choke or break them and thus delay freezing, nor can the fingers be accidentally caught and crushed in the cogs.

**Tinning.** All inside parts that come in contact with cream, the can, can lid and dasher, are heavily coated with pure block tin. All screws fastening parts to pails are also tinned.

**Galvanizing.** All outside parts exposed to dampness and action of ice and salt are smoothly and heavily galvanized.

**Ice Space.** These freezers are arranged to use the least possible amount of ice and salt in freezing, an important consideration in many places where ice is scarce and comparatively expensive.

**Economy in Use.** This ice space is amply large for rapid freezing. The old-time idea was that a large space for ice and salt around the can was essential to freezing the contents of the can. Exhaustive, practical experiments years ago demonstrated the fallacy of this idea, and the satisfactory use of our freezers with the smaller ice space for over sixteen years demonstrates beyond any question the wisdom in adopting this smaller ice space in the interest of the buyer on the score of economy in practical use.

**Convenience in Use.** Not only does the smaller ice space effect an economy, but at the same time makes the freezer smaller, hence more convenient in use, as it is less bulky and not so heavy as the corresponding sizes of freezers with larger ice space.

**Saving in Freight and Storage Room.** The merchant has an advantage in these freezers in the fact that being smaller the weight is less, costing less for freight, and the bulk is less, taking up less room while carried in stock. This saving is worthy of serious consideration.

**Wrapping.** Every freezer is carefully wrapped in heavy paper and attractively labeled. The wrapper leaves no part of the freezer exposed, enabling them to be kept fresh and clean in transportation and while carried in stock.

**Recipe Book.** With every freezer is packed a Recipe Book, giving full and explicit directions for using freezer, making ice creams, moulding, etc. Recipes are given for over one hundred ice creams, water ices, sherbets, frozen fruits, frozen puddings and other desserts that can be prepared in an ice cream freezer.

These freezers received the Highest Award for Ice Cream Freezers at the Paris Exposition, 1900.

MAGIC FREEZERS.

REVOLVING WIRE WHIP DASHERS, WITH NEW AUTOMATIC TWIN SCRAPERS.

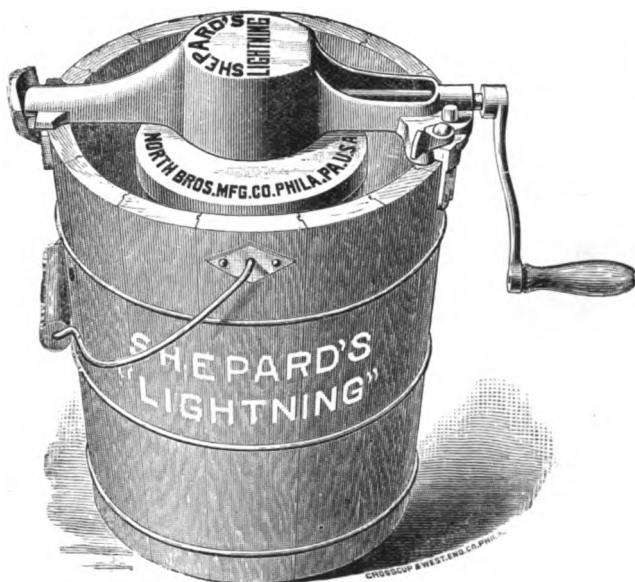


The wire whip dasher agitates and “beats up” the cream while in process of freezing, producing cream that is extra light, smooth and palatable. Beater is shown on page 682.

Code.....	Kalkacht	Kalklad	Kalktop	Kallimed	Kallixe	Kalmaco	Kaltnade	Kaltwalk
Size, quarts.....	1	2	3	4	6	8	10	14
Each.....	\$3.25	3.75	4.50	5.50	7.00	9.00	12.00	16.00
Weight each, lbs.....	7	10	11	16	20	26	31	45
Shipping measure each, cubic feet.....	½	¾	1	1¼	1¾	2¼	2¾	4½

## LIGHTNING FREEZERS.

REVOLVING WHEEL DASHERS, WITH NEW AUTOMATIC TWIN SCRAPERS.



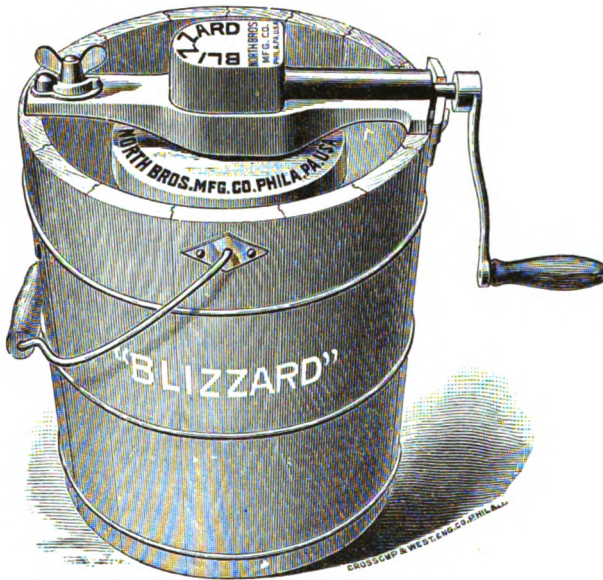
The Lightning Freezer has made a name for itself, by reason of its Wheel Dasher, and above all, the ease with which it is operated. The Wheel Dasher revolves continuously during the final freezing of cream, and produces the velvety smoothness secured in hand-made ice cream by careful and continued paddling. Beater is shown on page 682.

Code .....	Kamarin	Kamblad	Kamborte	Kamelart	Kamelhat
Size, quarts.....	$\frac{1}{2}$	1	2	3	4
Each.....	\$3.00	3.25	3.75	4.50	5.50
Weight each, lbs.....	3	7	10	11 $\frac{1}{2}$	14 $\frac{1}{4}$
Shipping measure each, cubic feet.....	.....	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$
Code .....	Kampang	Kamphero	Kampole	Kamsteen	Kanachut
Size, quarts.....	6	8	10	12	14
Each.....	\$7.00	9.00	12.00	14.00	16.00
Weight each, lbs.....	19 $\frac{1}{2}$	24 $\frac{1}{2}$	31 $\frac{1}{4}$	33 $\frac{1}{2}$	46
Shipping measure each, cubic feet.....	1 $\frac{3}{4}$	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$

$\frac{1}{2}$ -quart freezers, one-half dozen in a case. Weight per case, 21 $\frac{1}{2}$  lbs.

**BLIZZARD FREEZERS.**

SINGLE-ACTION.



The best low-priced Freezer in the market. It will more than hold its own in comparison with any other make in the practical features of easy running, economy and convenience in use, and satisfactory results.

It is single-action, the can revolving while the dasher is held in the cross-bar or top-plate. Its simple construction, small number of parts, and the use of less labor and material, allows of its sale at a lower price, and yet at the same time exactly the same pail and can are furnished as in the Magic and Lightning Freezers. Beater is shown on page 682.

Code.....	Kandidate	Kankerd	Kanonik	Kanonkeg	Kanseler	Kantharo
Size, quarts.....	1	2	3	4	6	8
Each .....	\$3.25	3.75	4.50	5.50	7.00	9.00
Weight each, lbs.. ..	6	8¾	10½	12¾	17	21¾
Shipping measure each, cubic feet.....	½	¾	1	1¼	1¾	2¼

**MAMMOTH MAGIC FREEZERS.**

WITH FLY-WHEELS.



Similar in design and construction to the Magic Freezer, but made heavier and stronger, for use of confectioners, hotels, restaurants, etc. The tubs are made of selected white cedar and have electric-welded wire hoops. The cans are of heavy tin-plate and have drawn steel bottoms.

The top plate is made to swing up to take out can, and may be entirely removed from Freezer. The gear and fly-wheel shafts are connected by clutches, which engage and disengage by simply raising and lowering the top-plate.

The fly-wheel remains stationary on side of pails.

Code .....	Kantorha	Kanuter
Size, quarts .....	<b>14</b>	<b>20</b>
Diameter of fly-wheel, inches .....	18	21 $\frac{1}{4}$
Each .....	<b>\$22.00</b>	<b>30.00</b>
Weight each, lbs. ....	65	92
Shipping measure each, cubic feet... ..	4 $\frac{1}{2}$	7 $\frac{1}{4}$



**JUMBO LIGHTNING FREEZERS.**

WITH FLY-WHEELS.



Similar in design and construction to the Lightning Freezer, but made heavier and stronger, for use of confectioners, hotels, restaurants, etc. The tubs are made of selected white cedar and have electric-welded wire hoops. The cans are of heavy tin-plate, with drawn steel bottoms.

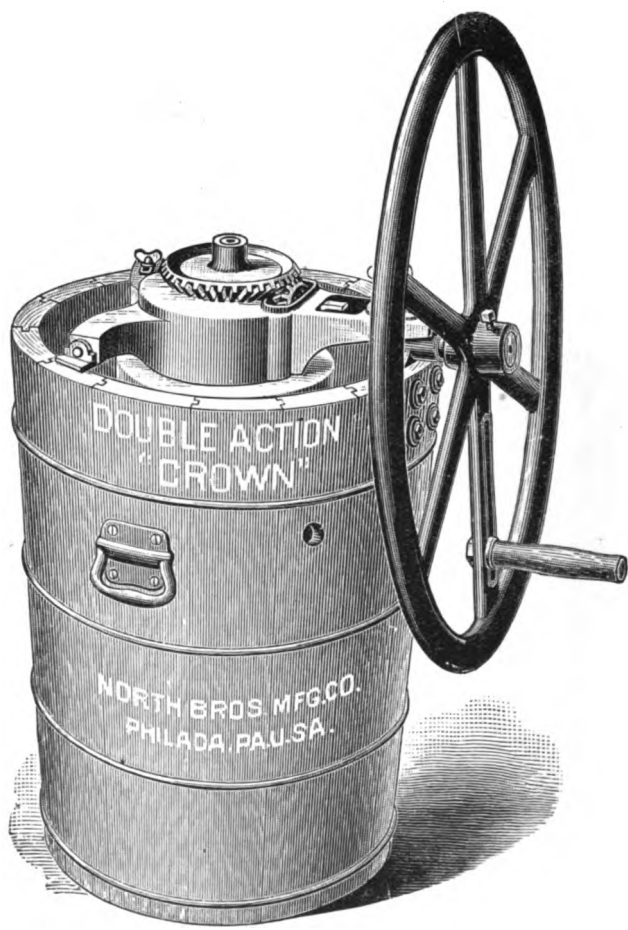
The top plate is made to swing up to take out can, and may be entirely removed from Freezer. The gear and fly-wheel shafts are connected by clutches, which engage and disengage by simply raising and lowering the top plate.

The fly-wheel remains stationary on side of pails.

Code .....	Kapalos	Kapitain
Size, quarts.....	<b>14</b>	<b>20</b>
Diameter of fly-wheel, inches.....	18	22
Each.....	\$22.00	30.00
Weight each, lbs.....	65	92
Shipping measure each, cubic feet .....	4 $\frac{3}{4}$	7 $\frac{1}{4}$

**DOUBLE-ACTION CROWN FREEZERS.**

WITH FLY-WHEELS.



In this Freezer the can and dasher move in opposite directions. Dasher is shown on page 682.

It is made heavy and strong, for use of confectioners, hotels, restaurants, etc. The tubs are made of selected white cedar, and have electric-welded wire hoops. The cans are of heavy tin-plate, with tinned malleable iron bottom.

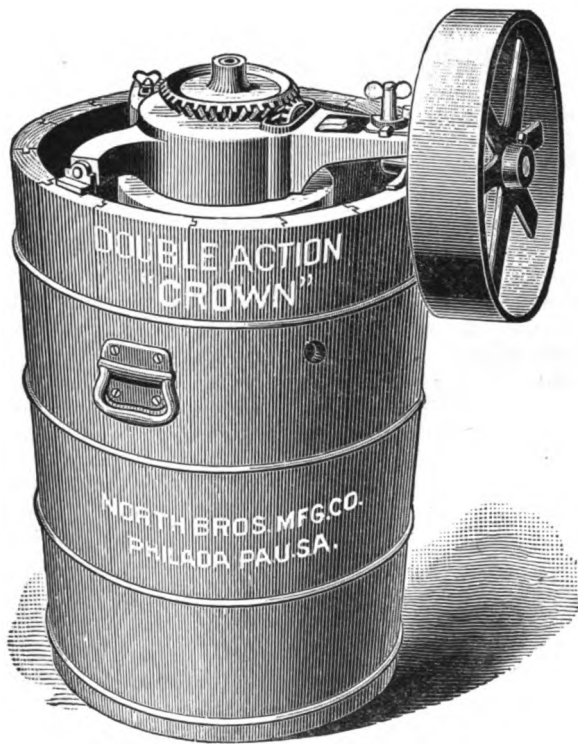
The cross-bar is made to swing up out of way, to take out can, and may be entirely removed from Freezer. The gear and fly-wheel shafts are connected by clutches, which engage or disengage by simply raising and lowering the cross-bar.

The fly-wheel remains stationary on side of pails.

Code .....	Kaplan
Size, quarts.....	24
Diameter of fly-wheel, inches.....	23 1/4
Each .....	\$37.00
Weight each, lbs.....	109
Shipping measure each, cubic feet. ....	8 1/4

**DOUBLE-ACTION CROWN FREEZERS.**

WITH SINGLE PULLEY.



This is the same Freezer as shown on page 688, with fly-wheel, except that a single pulley to operate by power is used in place of fly-wheel. The bearing for pulley shaft is larger and stronger than that used in fly-wheel Freezer.

The tubs are made of selected white cedar, with electric-welded wire hoops.

The cans of heavy tin-plate.

The gear and pulley shafts are connected by clutches which engage or disengage by simply raising or lowering the cross-bar on top plate. The pulley remains stationary on side of pails.

Code.....	Kapotes	Kappelen
Size, quarts.....	24	82
Diameter of pulley, inches.....	16x4	16x4
Each.....	\$45.50	52.25
Weight each, lbs.....	95	108
Shipping measure each, cubic feet.....	8	10¾

## 40-QUART MACHINE FREEZERS.

The Machine Freezer illustrated on following page is a decided improvement on machines used for years past. Nearly all such freezers have been carelessly made and put together, with the result that they frequently broke down in use, causing great annoyance and loss to the ice cream maker on account of delays and expense for repairs.

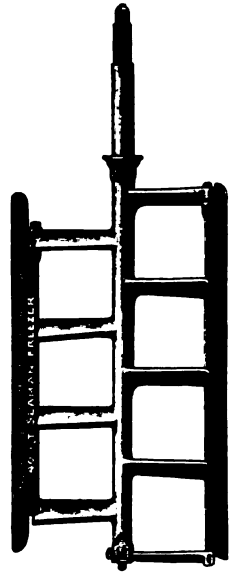
The improvements are in the better design and more substantial construction. The frame is made in one casting, and not made up of a number of pieces, carelessly bolted together, which has been and is still the ordinary practice. Being in one solid casting, the frame is much stronger and stiffer, less liable to breakage or to get out of order. The bearings for shaft are bored out correctly and in line, and are not rough holes filled with so-called babbitt metal to make them smooth. The shafts are turned and accurately fitted to run true in bearings. The pulleys are placed in middle of the shaft to relieve undue strain on bearings. The teeth in gearing are made with wide faces to secure extra strength. The gears are covered by a device not shown in cut, to prevent hand or finger being caught in gearing during operation. Both the pulleys and gearing are designed to secure ample power to drive the machine without undue strain, and to avoid any risk of breaking or stoppage of machine during operation.

The can is made of No. 18 sheet steel, riveted in seam, with heavy malleable iron bottom and tinned after being made up. The top of can is reinforced with wrought iron band. The body of can is very much thicker than the ordinary can made of heaviest tin-plate, and cannot be dented by careless use, or by ice in packing. The lid of can has two openings filled with glass so that the condition of cream can be readily seen during freezing. Solid lid without glass can be furnished if so ordered.

The tub is made extra heavy, of selected Virginia White Cedar, with tongued and grooved staves, and held together with electric-welded hoops.

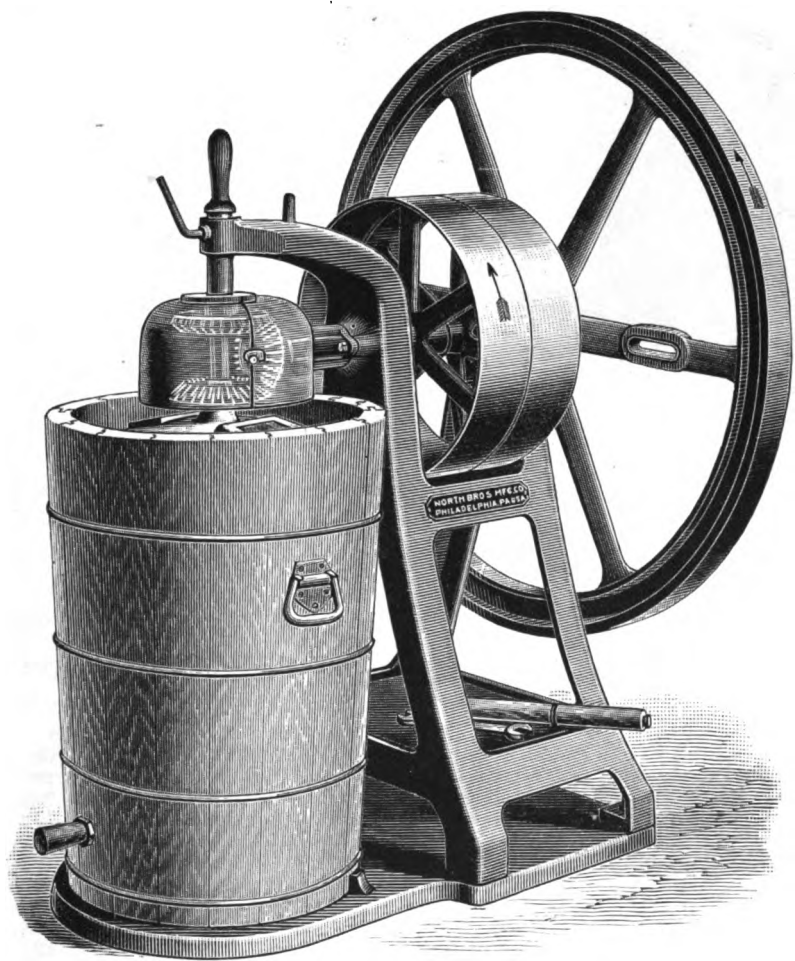
The dasher is of the well-known Seaman pattern, as shown in illustration. It is made of malleable iron, heavily coated with pure block tin. It has two scrapers for sides and one scraper for bottom of can, all made of malleable iron, tinned and accurately adjusted.

See following page.



IMPROVED PHILADELPHIA SEAMAN FREEZERS.

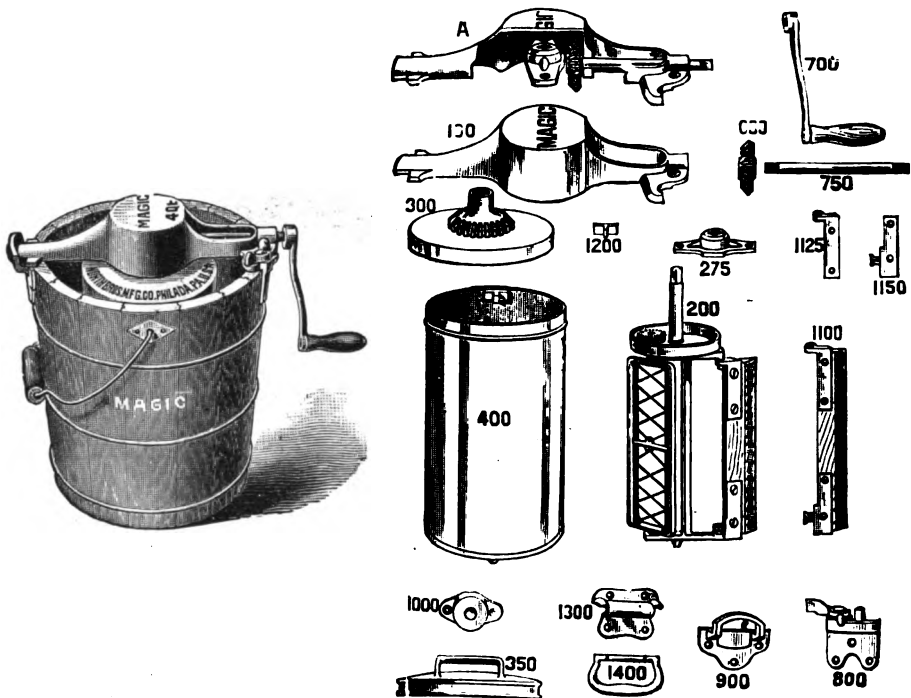
WITH FLY-WHEEL AND TIGHT AND LOOSE PULLEYS AND STEEL CAN.



Code.....	Kappert
Size, quarts.....	40
Diameter of fly-wheel, inches.....	42
Weight of fly-wheel, lbs.....	175
Size of pulleys, inches.....	18x4
Each.....	\$175.00
Weight each complete. lbs.....	625
Shipping measure each, cubic feet.....	.....

For full description see page 690.

## REPAIRS FOR MAGIC FREEZERS.



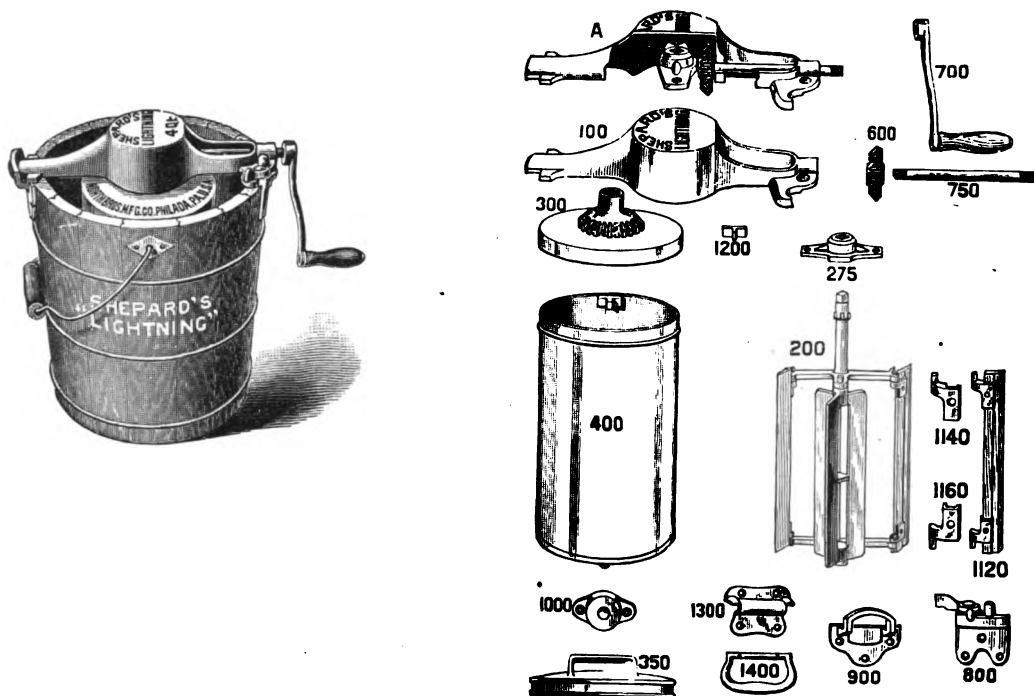
In ordering parts, be particular to give name and size of Freezer, name of part wanted, corresponding to illustration, and number and letter on broken part.

The parts, as illustrated, are for present style Freezer. They are interchangeable on Lightning Freezers of corresponding sizes except Dashers and parts of Dashers and Iron Lids.

No.	Name	Quarts	1	2	8	4	6	8	10	12	14
	Pail only, no fittings, except handle to carry it...		\$0.40	.48	.56	.68	.84	1.08	1.44	1.80	2.68
	Pail with handle and fittings, Nos. 800, 900 and 1000		.48	.56	.68	.80	1.00	1.28	1.72	2.08	2.88
	A—Top Plate or Cross Bar, with all parts attached...		.36	.40	.48	.56	.68	.96	1.28	1.52	1.80
100	—Top Plate or Cross Bar, casting only, no parts...		.28	.32	.36	.44	.56	.72	.96	1.16	1.40
200	—Dasher, complete with scrapers and wheel dasher		.20	.24	.28	.36	.48	.60	.88	1.04	1.20
275	—Dasher Holder and Screws, to go inside top plate		.08	.08	.12	.12	.16	.16	.16	.16	.16
300	—Lid or Can Cover, iron as used in freezer.....		.16	.20	.24	.28	.36	.48	.64	.72	.80
350	—Lid or Can Cover, tin as used for packing can...		.20	.24	.28	.32	.40	.48	.56	.64	.72
400	—Can only .....		.24	.28	.36	.44	.56	.72	.96	1.08	1.20
600	—Driving Gear at end of crank shaft.....		.08	.08	.08	.08	.12	.12	.12	.12	.12
700	—Crank.....		.12	.12	.12	.12	.16	.16	.20	.20	.20
750	—Crank Shaft .....		.08	.08	.08	.08	.12	.12	.12	.12	.12
800	—Lock Plate, screwed to top of pail, side next crank		.04	.04	.04	.08	.08	.08	.12	.12	.12
900	—Hinge Ear, screwed to top of pail, opposite crank		.04	.04	.04	.08	.08	.08	.12	.12	.12
1000	—Center Piece, screwed to bottom of pail, inside..		.04	.04	.04	.04	.04	.04	.04	.04	.04
1120	—Wood Scraper, including upper and lower hinge		.08	.08	.08	.08	.08	.12	.12	.12	.12
1140	—Upper Scraper Lug or Hinge .....		.04	.04	.04	.04	.04	.04	.04	.04	.04
1160	—Lower Scraper Lug or Hinge.....		.04	.04	.04	.04	.04	.04	.04	.04	.04
1200	—Carrier for can, soldered to inside at top of can..		.04	.04	.04	.04	.04	.04	.04	.04	.04
1300	—Plate for side handle of pail.....		.....	.....	.....	.....	.....	.....	.08	.08	.08
1400	—Handle for side handle of pail.....		.....	.....	.....	.....	.....	.....	.08	.08	.08

Above prices are net.

## REPAIRS FOR LIGHTNING FREEZERS.



In ordering parts, be particular to give name and size of Freezer, name of part wanted, corresponding to illustration, and number and letter on broken part.

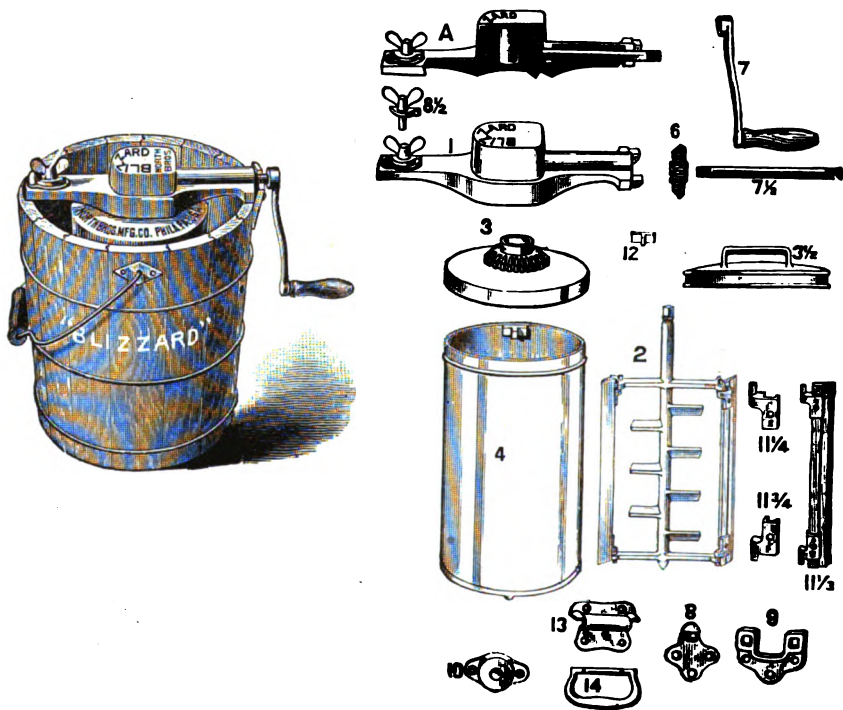
The parts as illustrated are for present style Freezer. Old style Dashers have one Scraper only, but the present style with two Scrapers will fit in place of such having letter L or N on casting; but when Scraper or Hinges only for Single Scraper Dashers are required, it should be plainly stated on order.

Repairs for Lightning Freezers marked with letters A B C D E and top plates marked L cannot be furnished, as all these patterns were destroyed in fire of Shepard Hardware Company.

No.	Name	Quarts	1	2	3	4	6	8	10	12	14
	Pail, only, no fittings, except handle to carry it.		\$0.40	.48	.56	.68	.84	1.08	1.44	1.80	2.68
	Pail, with handle and fittings, Nos. 800, 900 and 1000		.48	.56	.68	.80	1.00	1.28	1.72	2.08	2.88
A	Top-plate or Cross-bar, with all parts attached....		.36	.40	.48	.56	.68	.96	1.28	1.52	1.80
100	Top-plate or Cross-bar, casting only, no parts.....		.28	.32	.36	.44	.56	.72	.96	1.16	1.40
200	Dasher, complete with scrapers and wheel dasher.		.20	.24	.28	.36	.48	.60	.88	1.04	1.20
275	Dasher-holder and Screws, to go inside top-plate.		.08	.08	.12	.12	.16	.16	.16	.16	.16
300	Lid or Can-cover, iron as used in freezer.....		.16	.20	.24	.28	.36	.48	.64	.72	.80
350	Lid or Can-cover, tin as used for packing-can.....		.20	.24	.28	.32	.40	.48	.56	.64	.72
400	Can, only.....		.24	.28	.36	.44	.56	.72	.96	1.08	1.20
600	Driving Gear, at end of crank-shaft.....		.08	.08	.08	.08	.12	.12	.12	.12	.12
700	Crank.....		.12	.12	.12	.12	.16	.16	.20	.20	.20
750	Crank-shaft.....		.08	.08	.08	.08	.12	.12	.12	.12	.12
800	Lock-plate, screwed to top of pail, side next crank		.04	.04	.04	.08	.08	.08	.12	.12	.12
900	Hinge-ear, screwed to top of pail, opposite crank		.04	.04	.04	.08	.08	.08	.12	.12	.12
1000	Centrepiece, screwed to bottom of pail, inside.....		.04	.04	.04	.04	.04	.04	.04	.04	.04
1120	Wood Scraper, including upper and lower hinge..		.08	.08	.08	.08	.08	.12	.12	.12	.12
1140	Upper Scraper-lug or Hinge.....		.04	.04	.04	.04	.04	.04	.04	.04	.04
1160	Lower Scraper-lug or Hinge.....		.04	.04	.04	.04	.04	.04	.04	.04	.04
1200	Carrier for Can, soldered to inside at top of can..		.04	.04	.04	.04	.04	.04	.04	.04	.04
1300	Plate for Side Handle of Pail.....		.....	.....	.....	.....	.....	.....	.08	.08	.08
1400	Handle for Side Handle of Pail.....		.....	.....	.....	.....	.....	.....	.08	.08	.08

Above prices are net.

## REPAIRS FOR BLIZZARD FREEZERS.



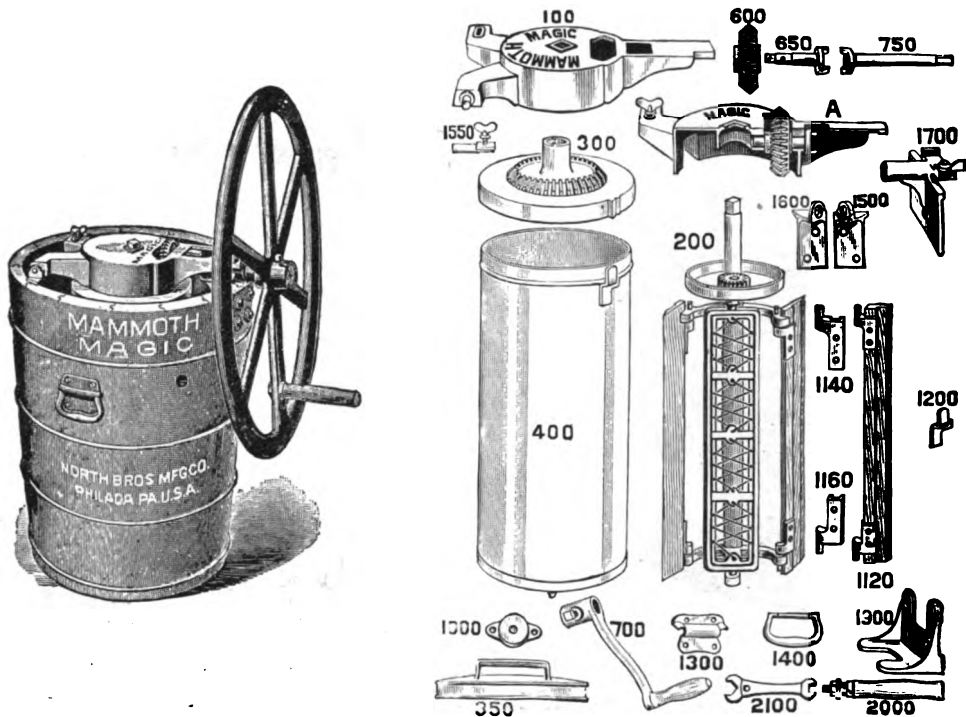
In ordering parts, be particular to give name and size of Freezer, name of part wanted, corresponding to illustration, and number on broken part.

The parts as illustrated are for present style Freezer. Old style Dashers have one Scraper only, but the present style with two Scrapers will fit in their place; but when Scraper or Hinges only for single Scraper Dashers are required, it should be plainly stated on order.

No.	Name.	Quarts	1	2	3	4	6	8
	Pail only, no fittings, except handle to carry it .....		\$0.40	.48	.56	.68	.84	1.08
	Pail, with handle and fittings Nos. 8, 9 and 10 .....		.48	.56	.68	.80	1.00	1.28
A	—Cross-bar or Top-plate, with all parts attached .....		.36	.40	.48	.56	.68	.96
1	—Cross-bar or Top-plate only, no attached parts .....		.28	.32	.36	.44	.56	.72
2	—Dasher, including scraper and hinges .....		.20	.24	.28	.36	.44	.60
3	—Lid or Can-cover, iron, as used in freezer .....		.16	.20	.24	.28	.36	.48
3½	—Lid or Can-cover, tin, as used for packing-can .....		.20	.24	.28	.32	.40	.48
4	—Can only .....		.24	.28	.36	.44	.56	.72
5	—Driving Gear (at end of crank-shaft) .....		.08	.08	.08	.08	.12	.12
6	—Crank .....		.12	.12	.12	.12	.16	.16
7	—Crank-shaft .....		.08	.08	.08	.08	.12	.12
8	—Hook screwed to top of pail opposite side to crank .....		.04	.04	.04	.08	.08	.08
8½	—Knob or Catch (engaging hook), including rivet .....		.04	.04	.04	.08	.08	.08
9	—Sidepiece, screwed to top of pail, side next crank .....		.04	.04	.04	.08	.08	.08
10	—Centrepiece screwed to bottom of pail, inside .....		.04	.04	.04	.04	.04	.04
11	—Wood Scraper, with hinges .....		.08	.08	.08	.08	.08	.12
11½	—Upper Hinge for Scraper .....		.04	.04	.04	.04	.04	.04
11¾	—Lower Hinge for Scraper .....		.04	.04	.04	.04	.04	.04
12	—Carrier for Can, soldered to inside at top of can .....		.04	.04	.04	.04	.04	.04
13	—Plate for side handle of pail .....		.....	.....	.....	.....	.....	.....
14	—Handle for side handle of pail .....		.....	.....	.....	.....	.....	.....

Above prices are net.



**REPAIRS FOR MAMMOTH MAGIC FREEZERS.**

In ordering parts, be particular to give name and size of Freezer, name of part wanted, corresponding to illustration, and letter and number on broken part.

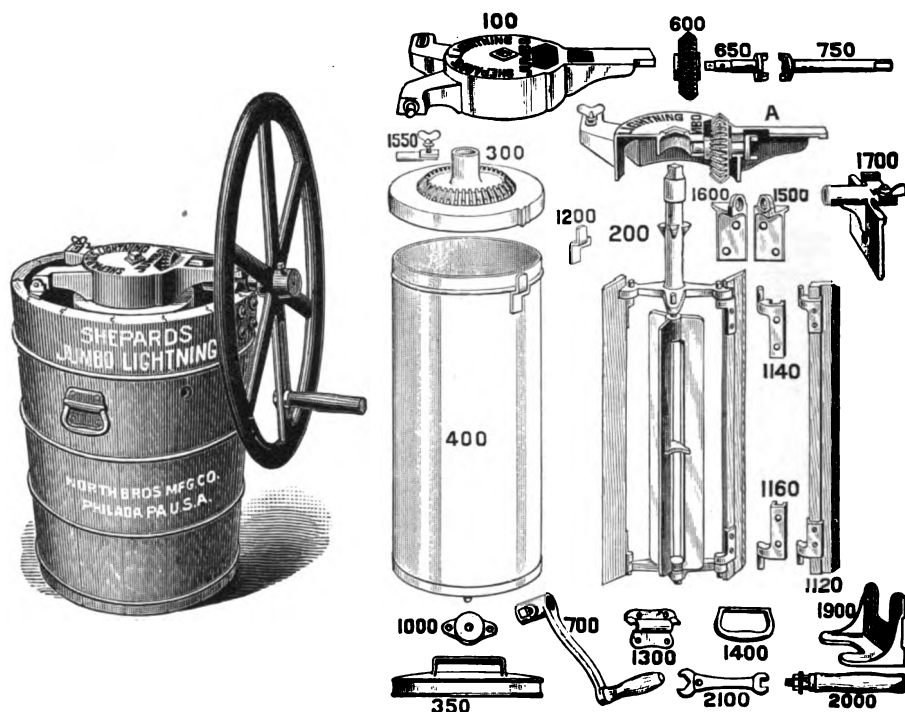
The parts as illustrated are for present style of Freezer.

They are interchangeable on Jumbo Lightning Freezers of corresponding sizes, except Dashers and parts of Dashers and Iron Lids.

No.	Name	Quarts	14	20
	Pail, only, no parts except handle to carry it.....		\$ 2.88	3.52
	Pail, with handles and fittings, Nos. 1000, 1500, 1600, 1700.....		3.40	4.40
	Fly-wheel, only.....		2.40	3.36
A	Cross-bar or Top-plate, with all parts attached.....		1.80	2.46
100	Cross-bar or Top-plate only, without any attached parts.....		1.40	1.70
200	Dasher, complete with scraper and wheel dasher.....		1.28	1.80
300	Lid or Can-cover, iron, as used in freezer.....		.88	1.20
350	Lid or Can-cover, tin, as used for packing-can.....		.72	.80
400	Can, only.....		1.20	2.20
600	Driving Gear (at end of clutch-shaft).....		.24	.32
650	Clutch-shaft, for driving gear.....		.16	.24
700	Crank.....		.....	.24
750	Crank or Fly-wheel Shaft.....		.16	.24
1000	Centrepiece, screwed to bottom of pail, supporting can.....		.04	.08
1120	Wood Scraper, including upper and lower scraper-lugs.....		.12	.12
1140	Upper Scraper-lug or Hinge.....		.04	.04
1160	Lower Scraper-lug or Hinge.....		.04	.04
1200	Carrier for Can, soldered to outside top of can.....		.04	.04
1300	Plate for Side Handle on Pail.....		.08	.12
1400	Handle for Side Handle on Pail.....		.08	.12
1500	Pivot, right-hand, for bolt in cross-bar to swing in.....		.08	.12
1550	Bolt and Screw, supporting cross-bar in right-hand pivot.....		.08	.08
1600	Pivot, left-hand, for pin on cross-bar to swing in.....		.08	.12
1700	Bearing for Crank or Fly-wheel Shaft, with bolts.....		.32	.40
1900	Support for Pail or Fly-wheel Freezer.....		.....	.28
2000	Handle and Bolt for Fly-wheel.....		.20	.20
2100	Wrench for Screw of Fly-wheel Shaft, etc.....		.12	.12

Above prices are net.

## REPAIRS FOR JUMBO LIGHTNING FREEZERS.

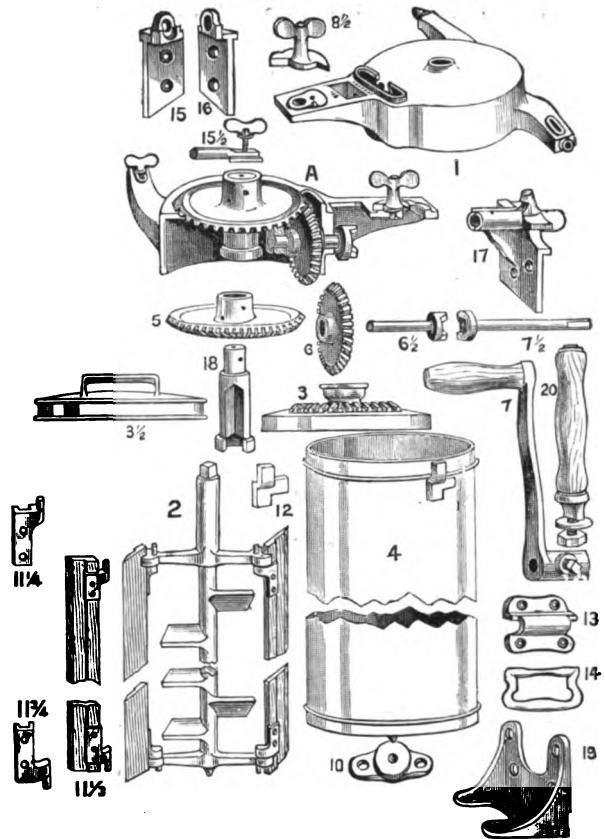
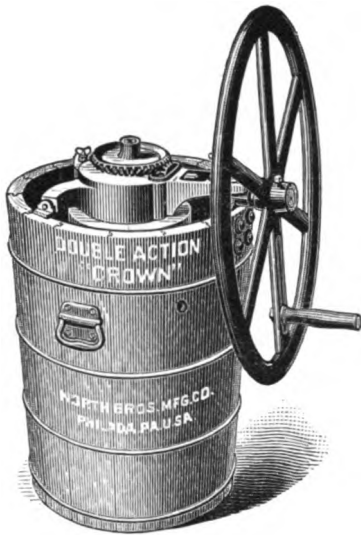


In ordering parts, be particular to give name and size of Freezer, name of part wanted, corresponding to illustration, and letter and number on broken part.

The parts as illustrated are for present style Freezer. Old-style Dashers have one Scraper only, but the present style with two Scrapers will fit in place of such having letter L or N on casting; but when Scraper or Hinges only for Single Scraper Dashers are required, it should be plainly stated on order.

No.	Name	Quarts	14	20
	Pail, only, no parts except handle to carry it.....		\$2.88	3.52
	Pail, with handles and fittings, Nos. 1000, 1500, 1600, 1700.....		3.40	4.40
	Fly-wheel, only.....		2.40	3.36
	A—Cross-bar or Top-plate with all parts attached.....		1.80	2.40
100	—Cross-bar or Top-plate only, without any attached parts.....		1.40	1.76
200	—Dasher, complete with scraper and wheel dasher.....		1.28	1.80
300	—Lid or Can-cover, iron, as used in freezer.....		.88	1.20
350	—Lid or Can-cover, tin, as used for packing-can.....		.72	.80
400	—Can, only.....		1.20	2.20
600	—Driving Gear (at end of clutch-shaft).....		.24	.34
650	—Clutch-shaft, for driving gear.....		.16	.28
700	—Crank.....		.....	.24
750	—Crank or Fly-wheel Shaft.....		.16	.24
1000	—Centre-piece, screwed to bottom of pail, supporting can.....		.04	.20
1120	—Wood Scraper, including upper and lower scraper lugs.....		.12	.21
1140	—Upper Scraper-lug or Hinge.....		.04	.04
1160	—Lower Scraper-lug or Hinge.....		.04	.04
1200	—Carrier for Can, soldered to outside top of can.....		.04	.04
1300	—Plate for Side Handle on Pail.....		.08	.12
1400	—Handle for Side Handle on Pail.....		.08	.12
1500	—Pivot, right-hand, for bolt in cross-bar to swing in.....		.08	.12
1550	—Bolt and Screw, supporting cross-bar in right-hand pivot.....		.08	.08
1600	—Pivot, left-hand, for pin on cross-bar to swing in.....		.08	.12
1700	—Bearing for Crank or Fly-wheel Shaft, with bolts.....		.32	.40
1900	—Support for Pail or Fly-wheel Freezer.....		.....	.28
2000	—Handle and Bolt for Fly-wheel.....		.20	.20
2100	—Wrench for Screw of Fly-wheel Shaft, etc.....		.12	.12

Above prices are net.

**REPAIRS FOR DOUBLE-ACTION CROWN FREEZERS.**

In ordering parts, be particular to give name and size of Freezer, name of part wanted, corresponding to illustration, and number of broken part.

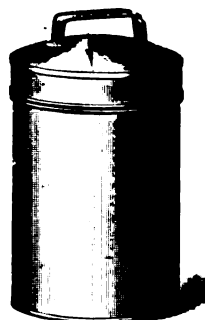
No.	Name	Quarts	24	32
	Pail, only, no parts, except handles to carry it.....			
	Pail with handles and fittings Nos. 10, 15, 16 and 17. ....			
	Fly-wheel, only.....			
A	Cross-bar or Top-plate, with all parts attached .....			
1	Cross-bar or Top-plate only, without any attached parts.....			
2	Dasher, complete, including scraper and hinges.....			
3	Lid or Can-cover, iron, as used in freezer.....			
3½	Lid or Can-cover, tin, as used in packing can.....			
4	Can, only.....			
5	Upper Gear, on outside top of cross-bar.....			
6	Driving Gear, in cross-bar at end of clutch-shaft.....			
6½	Clutch-shaft, for driving gear.....			
7	Crank .....			
7½	Crank or Fly-wheel Shaft.....			
8½	Knob or Catch, to hold down cross-bar, including rivet.....			
10	Centrepiece, screwed to bottom of pail, supporting can.....			
11	Wood Scraper, with hinges.....			
11½	Hinges for Scraper, per pair.....			
12	Carrier for Can, soldered to outside top of can.....			
13	Plate for Side Handle on Pail.....			
14	Handle for Side Handle on Pail.....			
15	Pivot, right-hand, for bolt in cross-bar to swing in.....			
15½	Bolt and Screw, supporting cross-bar in right-hand pivot.....			
16	Pivot, left-hand, for pin on cross-bar to swing in.....			
17	Bearing for Crank or Fly-wheel Shaft, including bolts.....			
18	Socket-shaft, holding upper gear to cross-bar.....			
19	Support for Pail or Fly-wheel Freezer.....			
20	Handle and Bolt for Fly-wheel.....			
21	Wrench for Fly-wheel, Crank, etc.....			

Above prices are net.

## TIN ICE CREAM PACKING CANS.

FOR PACKING AND CARRYING OUT CREAM.

Code.....	Kapstand	Karabog	Karamel
Quarts.....	1	2	3
Inches.....	6½x4¼	8x5	9x5½
Each.....	\$0.65	1.00	1.15
Weight each, lb.....	¾	1	1



Code.....	Karbonat	Kardusk	Kargher	Karikate	Karntron	Karnvat	Karoline	Karpathia
Quarts.....	4	6	8	10	12	15	20	25
Inches.....	10½x6	11x7	12¾x7	14x7¾	15x8½	17½x8½	19½x8½	20x10¼
Each.....	\$1.30	1.50	1.75	2.25	3.00	3.75	4.75	6.00
Weight each, lbs.....	1½	1¾	1¾	2¼	3	3¾	4¾	4½

## BUHL'S ICE CREAM PACKING CANS.

The Bodies, Bottoms and Covers of these cans are made from heavy cold rolled steel. They are tempered to stand extreme cold and perfectly coated with pure tin to withstand the corrosion of salt and water. The Bodies are offset riveted and smoothly soldered. The Covers fit just right. The Bottoms are rounded, and the cans are actual capacity.

Code.....	Karrepad	Kartelda
Quarts.....	1	2
Each.....	\$0.90	1.06
Weight each, lbs.....	1½	2¼



Code.....	Kassander	Kasteline	Kastrile	Kastriot	Kataloge	Katarak	Kathedral
Quarts.....	3	4	6	8	12	16	20
Each.....	\$1.20	1.30	1.44	1.60	2.00	2.30	2.60
Weight each, lbs.....	2½	4	5	5½	7¼	8½	12½

## ENAMELED ICE CREAM AND STORAGE CANS.

CAST IRON. WITH TIN COVERS.

Will not only keep Creams and Ices perfectly pure, but by using these Cans discoloration is impossible. Creams may be kept in the Cans an indefinite length of time. No lead or poisonous oxides in the enamel.

Code.....	Katholik	Katrolle	Kattenis	Katzenman
Quarts.....	2	4	6	8
Inches.....	10½x6	11½x6¾	13¼x7½	17x7½
Each.....	\$1.56	1.88	2.50	3.12
Wt. each, lbs...	6½	9	12½	15½
Code.....	Kaulbark	Kaulhaut	Kaulquip	
Quarts.....	12	16	20	
Inches.....	16½x9	17¾x10¾	20½x10¾	
Each.....	\$3.75	5.00	6.25	
Weight each, lbs...	18	24	29	

Loose.





## ICE CREAM PACKING PAILS AND TUBS.

SELECTED CEDAR. GALVANIZED TRIMMINGS.

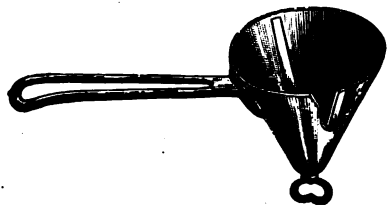
Code.....	Kaumusk	Kaustik
Quarts.....	<b>1</b>	<b>2</b>
Inside top diameter, inches.....	7	8
Inside bottom diameter, inches.....	6	6½
Inside depths, inches.....	9	12½
Each.....	\$0.65	1.00
Weight each, lbs.....	2¾	3½
Code.....	Keelader	Keerplat
Quarts.....	<b>8</b>	<b>4</b>
Inside top diameter, inches.....	8½	9½
Inside bottom diameter, inches.....	7	7½
Inside depth, inches.....	15	15
Each.....	\$1.15	1.30
Weight each, lbs.....	5	6

Code.....	Kegelins	Kegelrob	Kehldëck	Kehlwick	Keilberg	Keilstunt	Keimzel
Quarts.....	<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>16</b>	<b>20</b>	<b>25</b>
Inside top diameter, inches.....	10	11	11½	12¼	14	15	16
Inside bottom diameter, inches.....	8	9	9½	10¾	12	13	14
Inside depth, inches.....	16	18	19	19	21	21	23
Each.....	\$1.50	1.75	2.25	3.00	3.75	4.75	6.00
Weight each, lbs.....	9½	10	12	13	17	23	31½

10-quart and smaller have bails and three hoops.  
12-quart and larger have side handles and four hoops.

## ICE CREAM DISHERS.

SEAMLESS DRAWN STEEL CUP. GERMAN SILVER  
KNIVES. IMPROVED KEY FASTENING AND  
HANDLE. WILL NOT GET LOOSE.



Code.....	Kelchfine
Number to a quart.....	<b>4</b>
Top diameter of cup, inches.....	3¾
Per dozen.....	\$2.50
Weight per doz., lbs.....	4½

Code.....	Kelchmane	Kelderam	Keldergas	Kelderspot
Number to a quart.....	<b>5</b>	<b>6</b>	<b>8</b>	<b>10</b>
Top diameter of cup, inches.....	3¾	3¾	3	2¾
Per dozen.....	\$2.50	2.25	2.25	2.25
Weight per doz., lbs.....	4	3½	3	3

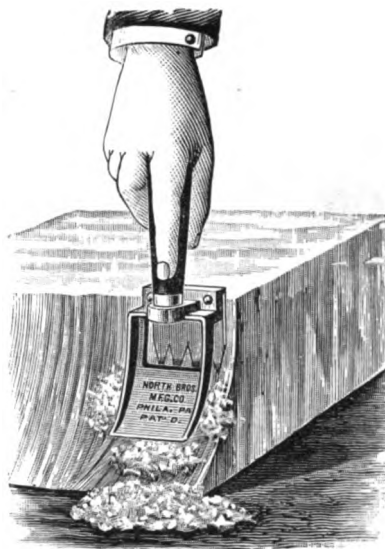
One dozen in a package.

## CROWN ICE CHIPPERS.

WOOD HANDLES. POLISHED STEEL BLADES.

Code.....	Kelkblos
Length, inches.....	10
Width, inches.....	2½
Per dozen.....	\$6.00
Weight per doz., lbs.....	20
Shipping measure per doz., cubic feet.....	½

One dozen in a box.

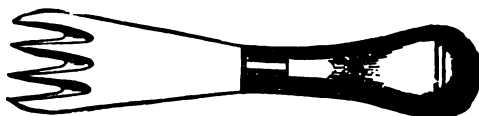


## ICE CHISELS.

POLISHED WOOD HANDLES. STEEL BLADES.

Code.....	Kelkdne
Length.....	10¼
Width of blade, inches.....	2½
Per dozen.....	\$7.00
Weight per doz., lbs.....	6

One dozen in a box.



## GEM ICE SHAVES.

GALVANIZED CAST IRON. ADJUSTABLE STEEL BLADES.

A simple and handy tool for shaving and collecting ice from blocks without removing the latter from the refrigerator or ice chest.

Code.....	Kellerlut
Length, inches.....	6½
Height and width, inches.....	2¼ x 2½
Weight per doz., lbs.....	20
Per dozen.....	\$7.50
Weight per case, lbs.....	69
Shipping measure per case, cubic feet.....	1½

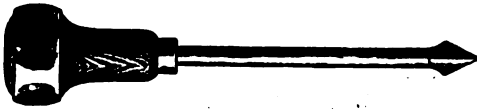
One-half dozen in a box. Three dozen in a case.



**ICE PICKS.**

MALLEABLE IRON HEADS ON WOOD HANDLES.

TEMPERED AND POLISHED STEEL BLADES.



Code.....	Kelotom
Number.....	2
Length, inches.....	10
Per dozen.....	\$2.00
Weight per doz., lbs.....	7

One dozen in a box.

**ICE PICKS.**HOLLOW IRON HEADS. STEEL BLADES PASSING CLEAR  
THROUGH HEADS

Code .....	Kelterbat
Number.....	8
Length, inches.....	8 1/4
Per dozen.....	\$2.35
Weight per doz., lbs.....	7 1/2

One dozen in a box.

**ICE PICKS.**

STEEL FERRULES. MALLEABLE BANDS.

NEEDLE POINT, EXTENDS THROUGH HANDLE. 3/4 STEEL  
USED. POINT CAN NEITHER BE BENT NOR  
BROKEN IN ORDINARY USE.

To break in small pieces use the iron-banded head.

Code .....	Kelterbat
Number.....	E
Entire length, inches.....	10 1/2
Blade, inches.....	6 1/2
Per dozen.....	\$5.25
Weight per doz., lbs.....	7

One dozen in a box.

**SLIDING ICE PICKS.**

JAPANNED.

Can be used with one hand by placing the point on  
the ice and pounding with the sliding weight. The largest  
piece can be cracked, or as small a piece as desired can be  
broken off without scattering the ice.

GRISWOLD MFG CO.

Code.....	Kelterloss
Number.....	105
Length, inches.....	12
Per dozen.....	\$2.00
Weight per doz., lbs.....	15

One dozen in a box.

## CHANDLER'S ICE-CUTTING MACHINES.

CAST IRON. GALVANIZED. WITH GALVANIZED STEEL PANS.

A small, compact, simple, strong and cheap machine, which cuts the ice into small diamond-shaped pieces with the utmost ease and rapidity. Can be attached by screws to a table, counter or shelf, occupying a space only eight inches square.

Code .....	Kembode
Number.....	<b>2</b>
Size, inches.....	14x7x7
Each .....	\$7.50
Weight each crated, lbs.....	15
Shipping measure each, cubic feet.....	$\frac{7}{12}$
One in a crate.	



## "SENSIBLE" ICE TONGS.

STEEL, WITH TEMPERED POINTS.

The duplex action gives the widest sweep at the points, with but comparatively small action at the handles; it also gives greater force.

The span of the tongs is indicated in inches when the tongs are open as wide as possible.

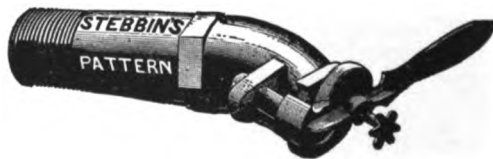
Code .....	Kembrust	Kemdruck	Kemfret
Inches.....	<b>12</b>	<b>16</b>	<b>20</b>
Per dozen.....	\$4.50	6.00	9.00
Weight per doz., lbs.....	16	20	28
Loose.			



## STEBBINS' MOLASSES GATES.

SCREW SHANK.

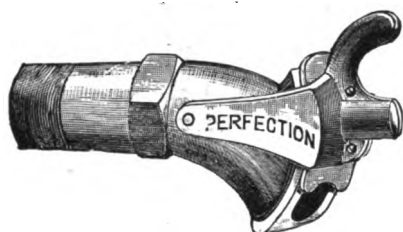
Code .....	Kemphan
Numbers.....	<b>1</b>
Bore, inches.....	1
Per dozen.....	\$7.00
Weight per doz., lbs.....	12
One-half dozen in a box.	



Code .....	Kenmart	Kennelli	Kenspeck	Keramic
Numbers.....	<b>2</b>	<b>8</b>	<b>4</b>	<b>5</b>
Bore, inches.....	1 $\frac{1}{8}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{4}$
Per dozen.....	\$8.00	9.00	10.00	12.00
Weight per doz., lbs.....	15	20	25	27

One-half dozen in a box.





## PERFECTION MOLASSES GATES.

SCREW SHANK. WILL HOLD ANY FLUID FROM  
THINNEST NAPHTHA TO THICKEST OIL.

Code.....	Kerasel
Bore, inches.....	$\frac{3}{4}$
Per dozen.....	\$12.00
Weight per doz., lbs.....	18

Code.....	Keratini	Keratoge	Kerbelsa	Kercher
Bore inches.....	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Per dozen.....	\$14.00	16.50	20.00	28.00
Weight per doz., lbs.....	24	32	42	60

$\frac{3}{4}$  to 1 $\frac{1}{2}$ -inch, one-half dozen; 2-inch, one dozen in a box.

## OUT-O'-SIGHT TACK HAMMERS.

CAST IRON.



Code.....	Kerfmil	Kerkbust
Styles.....	Nickel-plated	Copper-plated
Length, inches.....	9 $\frac{1}{2}$	9 $\frac{1}{2}$
Per dozen.....	\$2.00	2.00
Weight per doz., lbs.....	4 $\frac{7}{8}$	4 $\frac{7}{8}$

One dozen in a box.

## "IDEAL" LEVER SPRING MOP HANDLES.

EXTRA STRONG. STAINED HANDLES. COPPERED HEADS

This handle has the advantage over all others in the fact that it holds any size rag perfectly firm without bending the wires.



Code.....	Kerkday
Number.....	7
Length over all, inches.....	49
Width of head, inches.....	6
Weight per doz., lbs.....	15
Per dozen.....	\$2.50
Weight per crate, lbs.....	180
Shipping measure per crate, cubic feet.....	12 $\frac{1}{2}$

One dozen in a bundle. Twelve dozen in a crate.

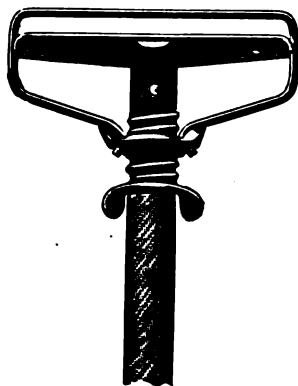
## "IDEAL" SCREW MOP HANDLES.

STAINED HANDLES. COPPERED HEADS.

Castings are fine gray iron, extra strong, free in operation, not to be classed with so-called common mop sticks.

Code.....	Kerklace
Number.....	4
Length over all, inches.....	49
Width of head, inches.....	6
Weight per doz., lbs.....	16
Per dozen...	\$2.00
Weight per crate, lbs.....	200
Shipping measure per crate, cubic feet.....	12 $\frac{1}{2}$

One dozen in a bundle. Twelve dozen in a crate.



## COTTON MOPS.

Code.....	Kerklad
Inches .....	.....
Per dozen.....	\$.....
Weight per doz., lbs.....	.....

One dozen in a bundle.



## COMPETITION RUBBER HOSE.

A CHEAP GRADE. NOT GUARANTEED. SEAMLESS TUBE.

Code.....	Kerklite	Kerpiple
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$
Per foot (3-ply).....	\$0.04 $\frac{1}{2}$	.05



## "PIONEER" RUBBER HOSE.

FOR ORDINARY USE. NOT GUARANTEED. SEAMLESS TUBE.

Code.....	Kerktor	Kerkwage	Kermass
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Per foot (3-ply).....	\$0.06	.07	.10



## "ELK" RUBBER HOSE.

A GOOD QUALITY. SEAMLESS TUBE.

Code.....	Kermisap	Kermistar	Kernarde
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Per foot (3-ply).....	\$0.07 $\frac{1}{2}$	.09	.12



**"TURTLE" RUBBER HOSE.**

WHITE RUBBER COVERED HOSE WITH 5-PLY CANVAS.

FOR HEAVY PRESSURE. SEAMLESS TUBE.



Code.....	Kernell	Kernerbas	Kernahl
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Per foot (5-ply).....	\$0.08	.00 $\frac{1}{2}$	.13

**"CONQUEROR" RUBBER HOSE.**

A FINE GRADE. FOR HEAVY PRESSURE. SEAMLESS TUBE.



Code.....	Kernfrite	Kernholt
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$
Per foot (3-ply).....	\$0.08 $\frac{1}{2}$	.10

Code.....	Kernmast	Kernober	Kernrub	Kernschut
Inches.....	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Per foot (3-ply).....	\$0.13 $\frac{1}{2}$	.16	.20	.26

**"BADGER" RUBBER HOSE.**

WILL STAND HIGH PRESSURE. SEAMLESS TUBE.



Code, 3-ply.....	Kernstat	Kerntrap
Code, 4-ply.....	Kerstbam	Kerstbite
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$
Per foot (3-ply).....	\$0.10	.12
Per foot (4-ply).....	.12	.15

Code, 3-ply.....	Kernward	Kersappe	Kersende	Kerseyman
Code, 4-ply.....	Kerstmut	Kerswate	Kerserut	Keslope
Inches.....	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Per foot (3-ply).....	\$0.16	.....	.....	.....
Per foot (4-ply).....	.20	.25	.30	.40

**"INDIAN" RED RUBBER HOSE.**

RED RUBBER COVER. MADE WITH SEAMLESS TUBE. THE BEST HOSE FOR ORCHARD SPRAYING PURPOSES.



Code.....	Kesorage	Ketchap	Ketelmar
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Per foot (7-ply).....	\$0.11 $\frac{1}{4}$	.13 $\frac{1}{2}$	.18

Extra charge for Couplings.

# **"GOLD SEAL" RUBBER HOSE.**

A FIRST-CLASS ARTICLE IN EVERY PARTICULAR.  
MADE OF SPECIALLY SELECTED RUBBER  
AND CANVAS. SEAMLESS TUBE.



Code (3-ply).....	Keulenar	Keurbend
Code (4-ply).....	Khordate	Khorsaba
Inch.....	½	¾
Per foot (3-ply).....	\$0.12½	.15
Per foot (4-ply).....	.15	.19

Code (3-ply) .....	Khaitang	Khandor	Khatuna	Khitmut
Code (4-ply) .....	Khoteau	Kibatarn	Kibbelar	Kibilk
Inches .....	1	1¼	1½	2
Per foot (3-ply).....	\$0.20			
Per foot (4-ply).....	.25	.31	.37½	.50

# **"PACIFIC" RUBBER HOSE.**

WIRE WRAPPED. WIRE WILL NOT UNCOIL WHEN CUT.

Code .....	Kicherte	Kiddow
Inch .....	½	¾
Per foot .....	\$0.08	.09½

Extra charge for Couplings.



# **"NEPTUNE" COTTON HOSE.**

RUBBER LINED. EXTRA GRADE. SEAMLESS  
AND MILDEW-PROOF.

Code .....	Kidrone	Kiefeke
Inch .....	½	¾
Per foot .....	\$0.07	.08

In 50-foot lengths, coupling attached.



# **"OBELISK" COTTON HOSE.**

RUBBER LINED. A SUPERIOR GRADE. MILDEW-  
PROOF. WARRANTED TO STAND A  
HEAVY PRESSURE.

Code.....	Kiekelhan	Kiekendot
Inch.....	½	¾
Per foot .....	\$0.09	.10

In 50-foot lengths, couplings attached.



# **"EUREKA" COTTON HOSE.**

RUBBER LINED. SEAMLESS COTTON AND MILDEW-  
PROOF. WILL STAND OVER 500 POUNDS  
PRESSURE PER SQUARE INCH.

Code .....	Kielfrost	Kielklot
Inch .....	½	¾
Per foot .....	\$0.12	.13½

In 50-foot lengths, couplings attached.



**HOSE.****Approximate Shipping Weights and Measurements of Rubber Hose per Bale.**

Size, inches .....	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Number of feet in a bale.....	500	500	500	250	250	100
Shipping measurement per bale, cubic feet.....	2 $\frac{2}{3}$	6 $\frac{5}{12}$	8 $\frac{3}{4}$	6 $\frac{5}{12}$	8 $\frac{5}{12}$	4
Competition.....	Weight per bale, lbs.					
Pioneer, 3-ply .....	87	113	.....	.....	.....	.....
Elk, 3-ply .....	103	140	172	.....	.....	.....
Turtle, 5-ply.....	126	177	227	.....	.....	.....
Conqueror, 3-ply .....	110	143	184	.....	.....	.....
Badger, 3-ply.....	127	187	247	167	182	107
Badger, 4-ply.....	134	192	267	.....	.....	.....
Indian, 7-ply .....	162	206	310	208	250	125
Gold Seal, 3-ply .....	133	172	209	.....	.....	.....
Gold Seal, 4-ply .....	130	182	242	.....	.....	.....
Pacific .....	157	202	142	162	182	95
	140	192	.....	.....	.....	.....

**Approximate Shipping Weights and Measurements of Cotton Hose per Case.**

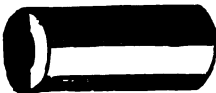
Size, inch.....	$\frac{1}{2}$	$\frac{3}{4}$
Number of feet in a case.....	500	500
Shipping measurement per case, cubic feet.....	7	8 $\frac{3}{4}$
Neptune.....	Weight per case, lbs:	
Obelisk.....	108	138
Eureka.....	115	157
	129	166

**MEDIUM WHITE RUBBER TUBING.**

Code.....	Kielmoss	Kielwald	Kimschot
Inside diameter, inch.....	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$
Per foot .....	\$0.01	.01 $\frac{1}{4}$	.01 $\frac{3}{4}$

Code .....	Kinadrak	Kinamide	Kinawort
Inside diameter, inch .....	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$
Per foot.....	\$0.02	.02 $\frac{3}{4}$	.04

About 50 feet in a box.

**HEAVY WHITE RUBBER TUBING.**

Code .....	Kinband	Kindelbar	Kinderbet
Inside diameter, inch .....	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$
Per foot .....	\$0.02	.03	.04

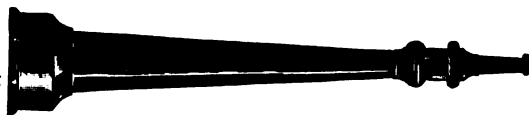
Code.....	Kinderdop	Kinetick	Kingcrow	Kingfish	Kinkett	Kinkhust
Inside diameter, inch.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Per foot .....	\$0.05	.06 $\frac{1}{2}$	.09	.12	.15	.18

About 50 feet in a box.

**PLAIN HOSE PIPES.**

POLISHED CAST BRASS. WITH SCREW TIPS.

Code .....	Kinobur	Kippent	Kippwag
Inches .....	$\frac{3}{4}$	1	$1\frac{1}{4}$
Length, inches .....	8	8	12
Per dozen.....	\$8.00	10.00	20.00
Weight per doz., lbs.....	5	7	14

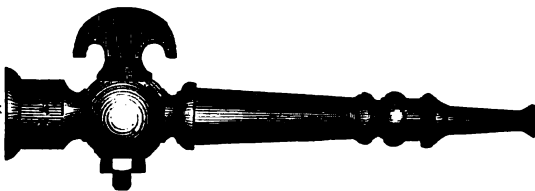


Code .....	Kircharm	Kirchplan	Kirchwage
Inches .....	$1\frac{1}{2}$	2	2
Length, inches .....	12	12	18
Per dozen.....	\$25.00	38.00	45.00
Weight per doz., lbs.....	16	21	.....

 $\frac{3}{4}$  and 1-inch, one dozen in a box. All others loose.**C. L. E. HOSE PIPES.**

POLISHED CAST BRASS. WITH SCREW TIPS.

Code .....	Kirmest	Kirsing	Kistepack
Inches .....	$\frac{3}{4}$	1	$1\frac{1}{4}$
Length, inches .....	8	8	12
Per dozen.....	\$13.00	15.00	40.00
Weight per doz., lbs.....	8	$9\frac{1}{4}$	30



Code .....	Kitchendo	Kittelend	Kitzerdek	Klabast	Klabber
Inches .....	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	2
Length, inches.....	15	12	18	12	18
Per dozen.....	\$45.00	55.00	70.00	80.00	100.00
Weight per doz., lbs.....	35	49	.....	60	.....

 $\frac{3}{4}$  and 1-inch, one dozen in a box. All others loose.**HOSE PIPE TIPS.**

POLISHED BRASS.

Code .....	Kladbake
Inch.....	$\frac{3}{4}$
Per dozen.....	\$4.00
Weight per doz., lbs.....	1



One dozen in a package.

Fits  $\frac{3}{4}$  and 1-inch hose pipes.**HOSE SPRINKLERS.**

POLISHED BRASS.

Code.....	Kladpate	Kladstock	Kladwurm
Diameter, inches.....	2	$2\frac{1}{2}$	3
Per dozen.....	\$4.50	6.00	9.00
Weight per doz., lbs.....	$1\frac{1}{4}$	$1\frac{1}{2}$	3

One dozen in a box.

Fits  $\frac{3}{4}$  and 1-inch hose pipes.

**"MERRILL'S" SPRINKLERS.**

IRON COPPER PLATED.

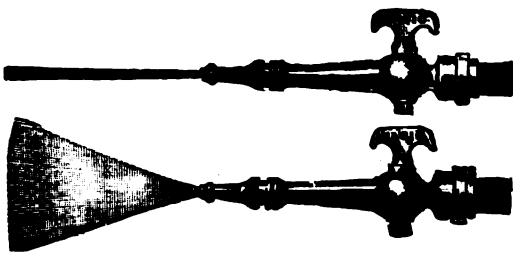
To Clamp on Tip of  $\frac{3}{4}$  or 1-inch Hose Pipe.

Code.....	Klafter
Per dozne .....	\$4.80
Weight per doz., lbs.....	4
One dozen in a box.	

**"MACIC" SPRAY HOSE PIPES.**

POLISHED BRASS.

Throws either a Straight Stream or a Graduated Spray.

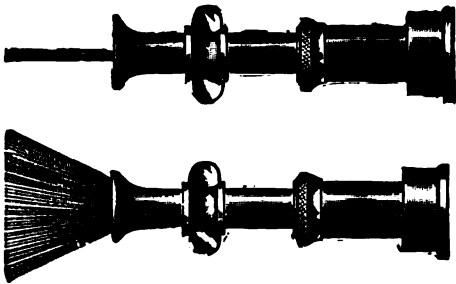


Code.....	Klagbarn	Klagepund
Inch.....	$\frac{3}{4}$	1
Length, inches.....	5	$6\frac{3}{4}$
Per dozen.....	\$5.50	12.60
Weight per doz., lbs.....	$5\frac{1}{2}$	$10\frac{1}{4}$
One dozen in a box.		

**"MYSTIC" SPRAY HOSE PIPES.**

POLISHED BRASS.

Throws a Fine or Coarse Spray or a Solid Stream.

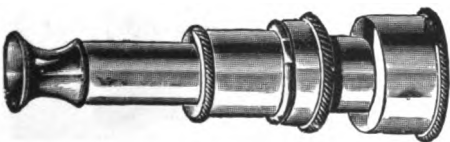


Code .....	Klagesant
Inch.....	$\frac{3}{4}$
Length, inches.....	$4\frac{3}{8}$
Per dozen.....	\$4.90
Weight per doz., lbs.....	$6\frac{1}{2}$
One dozen in a box.	

**"CRESCENT" SPRAY HOSE PIPES.**

POLISHED BRASS.

Throws a Fine or Coarse Spray or a Solid Stream.



Code.....	Klagetone
Inch.....	$\frac{3}{4}$
Length, inches.....	$3\frac{3}{8}$
Per dozen.....	\$4.00
Weight per doz., lbs.....	$5\frac{1}{2}$
One dozen in a box.	

**"CEM" SPRAY HOSE PIPES.**

POLISHED BRASS.

Throws a Large or Small Solid Stream, or Coarse or Fine  
Spray.

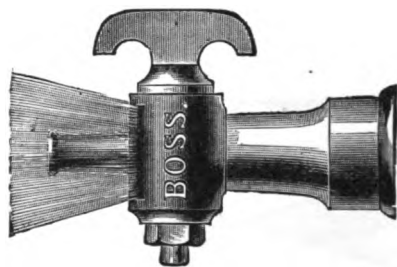
Code .....	Klaghund
Inch.....	$\frac{3}{4}$
Length, inches.....	$4\frac{3}{4}$
Per dozen .....	\$5.05
Weight per doz., lbs.....	6
One dozen in a box.	

**"BOSS" HOSE PIPES.**

POLISHED BRASS.

Throws a Spray by a Direct Stream, With no Cone  
or Groove to retard it, and a Round, Solid Stream by  
simply turning the Cock.

Code .....	Klamacht	Klampent
Inch.....	$\frac{3}{4}$	1
Length, inches.....	$3\frac{1}{2}$	$3\frac{3}{4}$
Per dozen.....	\$6.30	11.25
Weight per doz., lbs .....	6	7
One dozen in a box.		

**"YPSILANTI" COMBINATION HOSE PIPES.**

ROUGH NICKEL-PLATED IRON.



Throws Spray or Solid Stream.

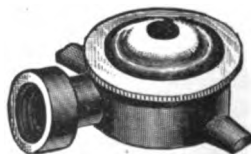
Code .....	Klandist
Inch .....	$\frac{3}{4}$
Length, inches.....	$5\frac{1}{2}$
Per dozen.....	\$3.30
Weight per doz., lbs.....	7

Loose.

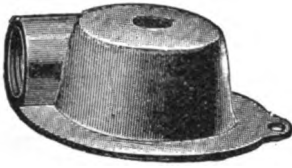
**"CACTUS" LAWN  
SPRINKLERS.**

INDESTRUCTIBLE. NO REVOLVING PARTS.

Code.....	Klangbom
Number.....	9
Inch.....	$\frac{3}{4}$
Per dozen.....	\$10.80
Weight per doz., lbs.....	15
One-half dozen in a box. Two dozen in a case.	



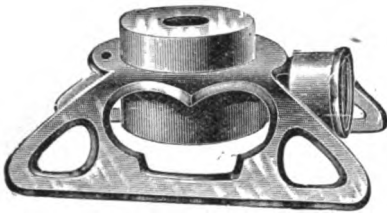




### "C. B. C." LAWN SPRINKLERS.

CHEAP BUT GOOD. IRON JAPANNED BLACK.

Code.....	Klangreed
Inch.....	$\frac{3}{4}$
Per dozen .....	\$4.50
Weight per doz., lbs.....	13
One-half dozen in a box.	



### "EVANSTON" LAWN SPRINKLERS.

IRON. JAPANNED BLACK.

Code.....	Klangstur
Inch.....	$\frac{3}{4}$
Per dozen .....	\$6.00
Weight per doz., lbs.....	22
One dozen in a box.	



### "JAPANESE" LAWN SPRINKLERS.

IRON FRAME. JAPANNED BLACK. POLISHED

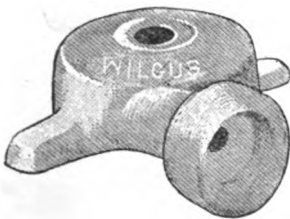
BRASS TOP.

This Sprinkler is adjustable so that from any pressure a spray may be obtained as light as steam or as heavy as the area of supply pipe.

Code.....	Klangwind	Klangmet
Numbers .....	12	18
Inch.....	$\frac{3}{4}$	1
Per dozen .....	\$12.00	15.00
Weight per case, lbs.....	33	38

One-twelfth dozen in a box.

One dozen in a case.



### "WILCUS" LAWN SPRINKLERS.

GALVANIZED IRON. WILL DISTRIBUTE AN EVEN SPRAY

30 FEET IN DIAMETER.

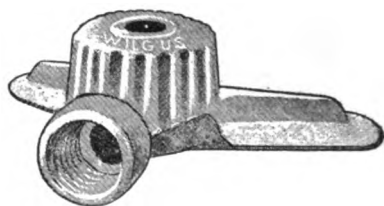
Code.....	Klapbord
Inch.....	$\frac{3}{4}$
Per dozen .....	\$4.50
Weight per doz., lbs.....	13

One-half dozen in a box.

## "WILCUS" FOUNTAIN LAWN SPRINKLERS.

GALVANIZED IRON. HAS FOUNTAIN IN CENTER  
OF SPRAY.

Code.....	Klaploop
Inch.....	$\frac{3}{4}$
Per dozen .....	\$6.75
Weight per doz., lbs.....	14½
One-half dozen in a box.	



## "BALL NOZZLE" LAWN SPRINKLERS.

IRON FRAME. JAPANNED BLACK. NICKEL-PLATED  
BRASS TOP.

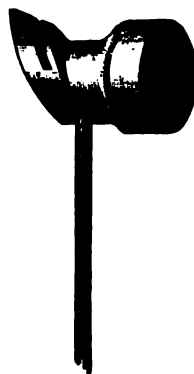
Code.....	Klapmute
Number .....	6
Inch.....	$\frac{3}{4}$
Per dozen .....	\$8.10
Weight per doz., lbs.....	21
One-twelfth dozen in a box.	

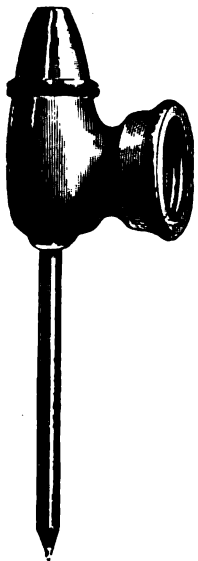


## "FAN" LAWN SPRINKLERS.

IRON. NICKEL-PLATED.

Code.....	Klapptick
Inch.....	$\frac{3}{4}$
Per dozen .....	\$3.00
Weight per doz., lbs.....	8
One dozen in a box.	





**“ECLIPSE” LAWN SPRINKLERS.**

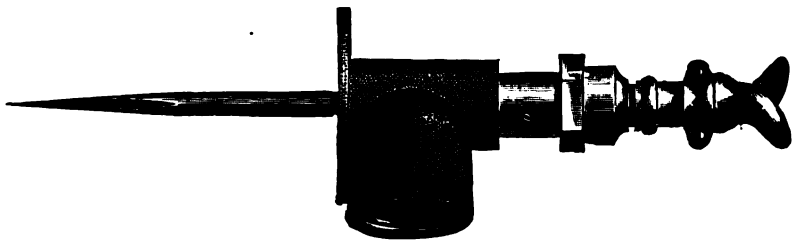
IRON. JAPPANED VERMILION. SPUN COPPER TOP.  
COVERS 36 FEET IN DIAMETER.

Code.....	Klaprote
Inch.....	¾
Per dozen .....	\$1.80
Weight per doz., lbs.....	3¼

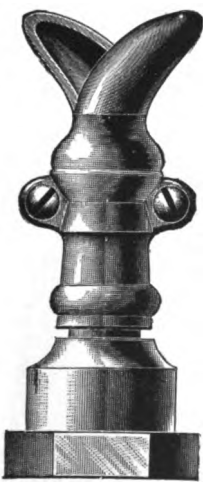
One dozen in a box.

**“WATER WITCH” LAWN SPRINKLERS.**

POLISHED BRASS. NICKEL-PLATED.



Cut shows Style No. 3.



Cut shows Style No. 1.

Code.....	Klapwand	Klarette	Klassick
Numbers .....	01	1	3
Per dozen .....	\$4.50	4.15	6.00
Weight per doz., lbs.....	1½	1½	8

One-half dozen in a box.

No. 01 has ⅛-inch hole and ¾-inch iron pipe thread.  
No. 1 has ¼-inch hole and ¾-inch iron pipe thread.  
No. 3 has ¼-inch hole and ¾-inch hose thread.

## "O'SHEA" LAWN SPRINKLERS.

TO BE USED WITH TRIPOD HOSE HOLDER. WILL  
THROW WATER OVER A SPACE 30 TO  
50 FEET IN DIAMETER.

Code.....	Klaterin	Klaudet	Klausnet
Numbers.....	1	3	4
Arms.....	2	2	4
Arms, inches.....	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$
Inch.....	$\frac{3}{4}$	1	$\frac{3}{4}$
Per dozen.....	\$16.20	17.10	20.25
Weight per doz., lbs.....	15	16½	21



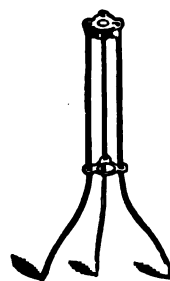
## "TRIPOD" HOSE HOLDER OR STAND.

IRON. PAINTED GREEN.

A simple contrivance for holding the hose. Pass the  
hose up through the Holder and then screw the sprinkler  
on the end of the hose.

Code.....	Klaverz
Height, inches.....	.....
Per dozen.....	\$16.20
Weight per doz., lbs.....	.....

For  $\frac{3}{4}$  or 1-inch hose.

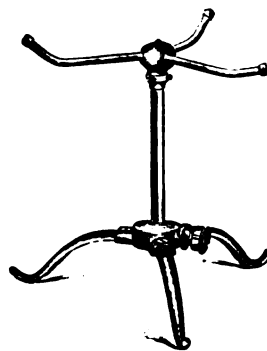


## "SUNSHINE" LAWN SPRINKLERS.

BALL-BEARING. STANDARD, BASE AND LEGS JAPANNED  
RED. ARMS POLISHED BRASS.

Code.....	Klaviate
Inch.....	$\frac{3}{4}$
Height, inches.....	13
Per dozen.....	\$13.50
Weight per doz., lbs.....	37½

One in a box.

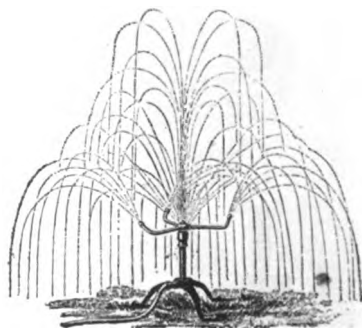


## "PEERLESS" LAWN SPRINKLERS.

STANDARD, BASE AND LEGS HANDSOMELY JAPANNED  
ARMS POLISHED BRASS. COVERS EVENLY AN  
AREA OF 48 FEET IN DIAMETER.

Code.....	Klebekron
Inch.....	$\frac{3}{4}$
Height, inches.....	12
Per dozen.....	\$14.40
Weight per doz., lbs.....	36

One in a box.



**RUBBER HOSE WASHERS.**

Code.....	Klebestoll	Klebit	Kleedstop	Kleerbote	Kleidest
Inches.....	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
No. of washers to lb.	280	240	50	38	.....
Per gross.....	\$0.36	.63	1.62	2.52	3.96
Per lb. in lots of 5 lbs.....					\$0.54
One pound in a box.					

**HOSE COUPLINGS.**

ROUGH BRASS. FOR WATER HOSE.

Code.....	Kleimerk	Kleinbaum	Kleinholt
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Per dozen.....	\$2.40	2.40	4.40
Weight per doz., lbs.....	3	3 $\frac{1}{2}$	6

Code.....	Kleinkrat	Kleinmand	Kleinsmot
Inches.....	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Per dozen.....	\$10.00	14.00	24.00
Weight per doz., lbs.....	11	18	27

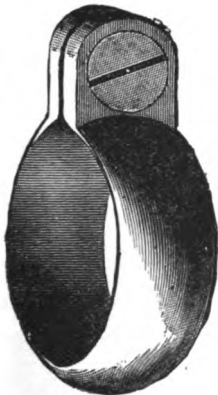
For either part of coupling two-thirds above list.  
One dozen in a package.

**"SHERMAN" HOSE CLAMPS.**

FINISHED BRASS. CAN BE APPLIED WHEN THE COUPLING IS IN THE HOSE. FOR WATER HOSE.

Code.....	Kleinwast	Kleipide	Kleistrick	Klemhake
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1
Ply.....	3	3	4	3
Diameter open, inches.	1 $\frac{5}{16}$	1 $\frac{3}{16}$	1 $\frac{1}{4}$	1 $\frac{7}{16}$
Per dozen.....	\$0.36	.36	.36	.99
Weight per doz., lbs...	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$

$\frac{1}{2}$  and  $\frac{3}{4}$  inch, six dozen in a box.  
1-inch, three dozen in a box.

**SCREW HOSE CLAMPS.**

WROUGHT BRASS.

Code.....	Klenzer	Klepschur	Klerkam	Kletter
Inches.....	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$
Per dozen.....	\$1.50	1.50	2.00	2.50
Weight per doz., lbs. ....	1	1 $\frac{1}{2}$	2	2

Code.....	Kleurder	Kleurprot	Klimat	Klimboost
Inches.....	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3
Per dozen.....	\$3.00	4.00	7.00	10.00
Weight per doz., lbs.....	3	6	6	.....

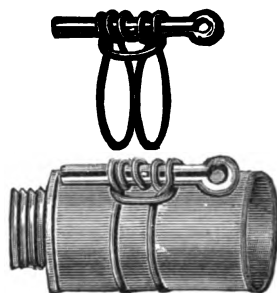
Loose.

**"MAGIC" HOSE CLAMPS.**

BRASS WIRE. STEEL PINS. FOR EITHER 3 OR 4-PLY  
HOSE.

Code.....	Klimpher	Klimstun	Klingstat
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Per gross.....	\$3.00	3.00	3.00
Weight per gross, lbs.....	3	$3\frac{1}{4}$	$3\frac{1}{2}$

One-half gross in a box.

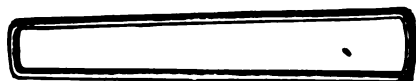
**"CALDWELL'S" HOSE STRAPS.**

BRASS WIRE. FOR FASTENING COUPLINGS IN HOSE.

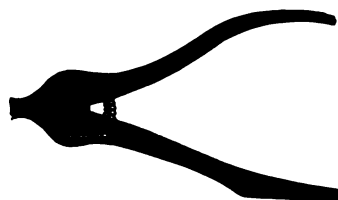
Code.....	Klinkart	Klipatig	Klobiter	Klonasse	Klopfris
Numbers.....	4	6	8	10	12
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1	1
Length, inches.....	$3\frac{3}{4}$	$4\frac{1}{8}$	$4\frac{3}{4}$	5	$5\frac{3}{8}$
Ply.....	3	3	4	3	4
Per gross.....	\$0.90	.90	.90	1.98	1.98
Wt. per gross, lbs.	$\frac{1}{4}$	$\frac{1}{4}$	$1\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$

One gross in a package.

Pliers for attaching Caldwell's Straps, per dozen... \$1.80



Cut shows Strap.



Cut shows Pliers.



Cut shows Straps applied.

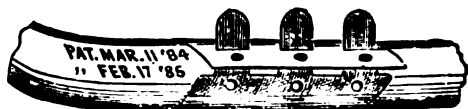
**"BIG SIX" HOSE PATCHES.**

FOR MENDING LEAKY HOSE. SOFT BRASS.

Code.....	Klopget	Klosbeit	Klostera
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Per dozen, with pincers.....	\$0.75	1.00	1.25
Weight per doz., lbs.....	$\frac{3}{4}$	1	$1\frac{1}{4}$

One dozen in a box.

Each box contains a pair of pincers used in applying patch.



**"SHERMAN" MENDER TUBES.**

WROUGHT BRASS. SEAMLESS.

Code.....	Klotenrad	Klotzbet	Klovenor
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Per dozen.....	\$0.36	.36	.36
Weight per doz., lbs.....	$\frac{1}{2}$	$\frac{3}{8}$	1 $\frac{1}{2}$

Twelve dozen in a box.

**HALL'S HOSE MENDERS.**

CAST IRON.



Code.....	Kluhtel	Klufting	Kluisrolle	Kluizend
Inches.....	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$
Per dozen.....	\$0.54	.60	1.17	1.80
Weight per doz., lbs..	1 $\frac{3}{4}$	2	3 $\frac{3}{4}$	.....

One dozen in a box.

**COMMON HOSE MENDERS.**

CAST IRON.



Code.....	Klumpfut	Klutside	Knabble
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$	1
Per dozen.....	\$0.54	.59	1.17
Weight per doz., lbs.....	1 $\frac{1}{2}$	1 $\frac{3}{4}$	3 $\frac{1}{4}$

One dozen in a box.

**"WOODEN" HOSE MENDERS.**

Code.....	Knaben	Knacker
Inch.....	$\frac{1}{2}$	$\frac{3}{4}$
Per dozen.....	\$0.11	.11
Weight per doz., lbs.....	$\frac{1}{4}$	$\frac{3}{8}$

Twelve dozen in a box.

**"YPSILANTI" HOSE MENDERS.**

POLISHED BRASS.

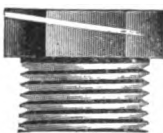


Code.....	Knallidm	Knallers
Inch.....	$\frac{1}{2}$	1
Per gross.....	\$3.60	5.10

Six dozen in a box.

**HOSE BUSHINGS.**

CAST BRASS.

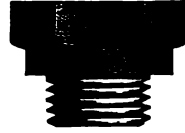


Code.....	Knaphet	Knappenl	Knaptort	Knarrow
Inches.....	1 x $\frac{3}{4}$	1 $\frac{1}{4}$ x 1	1 $\frac{1}{2}$ x 1 $\frac{1}{4}$	2 x 1 $\frac{1}{2}$
Per dozen.....	\$4.50	10.00	12.00	18.00
Weight per doz., lbs.	2	3	5	7

One dozen in a package.

**HOSE REDUCERS.**

CAST BRASS.



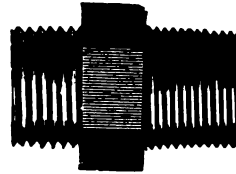
Code.....	Knatters	Knausing
Inches.....	1x¾	1¼x¾
Per dozen.....	\$6.50	10.00
Weight per doz., lbs.....	2	3

Code .....	Knauter	Knaving	Knavish	Kneader	Knebelt	Kneedful
Inches.....	1¼x1	1½x¾	1½x1	1½x1¼	2x1¼	2x1½
Per dozen.....	\$10.00	11.00	11.50	12.00	18.00	18.00
Weight per doz., lbs.....	3	3	4	5	6	7

One dozen in a package.

**HOSE NIPPLES.**

CAST BRASS.



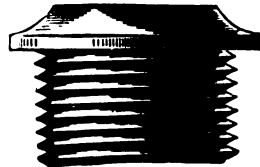
Code.....	Kneedster	Kneepant
Inch.....	½	¾
Per dozen.....	\$3.50	3.50
Weight per doz., lbs.....	2	2½

Code .....	Kneipor	Knetbart	Knetmile	Knetwork
Inches.....	1	1¼	1½	2
Per dozen.....	\$5.00	9.00	10.00	14.00
Weight per doz., lbs.....	3¼	6	8	9

One dozen in a package.

**HOSE BIBB ENDS.**

CAST BRASS.



Code.....	Kneuter	Knicker
Inch.....	½	¾
Per dozen.....	\$2.50	2.50

Code .....	Knickwell	Knielar	Knievorm	Kniffel
Inches.....	¾	1	1¼	1½
Per dozen.....	\$2.50	3.50	6.00	8.00

One dozen in a package.





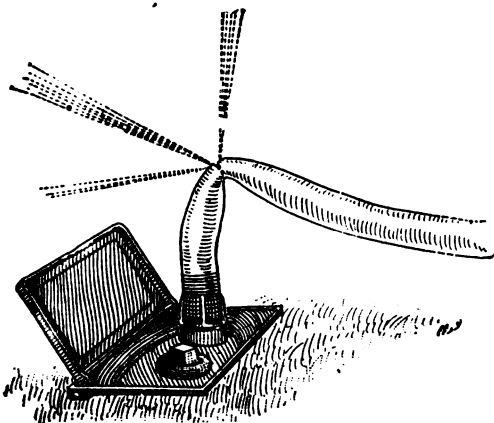
## PERFECTION BUGGY WASHERS.

FOR WASHING BUGGIES, AUTOMOBILES, ETC. BALL BEARING JOINTS. ARM  $4\frac{1}{2}$  FEET LONG. THREADED  $\frac{3}{4}$ -INCH IRON PIPE, WITH  $\frac{3}{4}$ -INCH HOSE COUPLING.

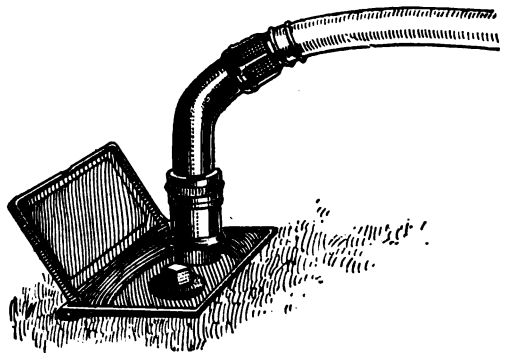
Code.....	Knipull
Number .....	1
Each.....	\$24.00
Weight each packed, lbs.....	11
One in a box.	

## CHICAGO GOOSE NECK CONNECTIONS.

MADE OF BRASS.



The Old Way.

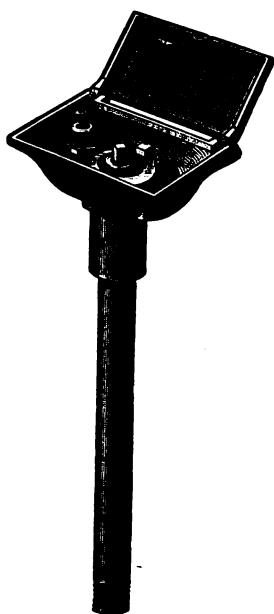


With Chicago Goose Neck.

Code.....	Knipster
Inch.....	$\frac{3}{4}$
Per dozen.....	\$6.75
Weight per doz., lbs.....	6

One dozen in a box.





## CALIFORNIA STREET WASHERS.

FOR SPRINKLING OR IRRIGATING PURPOSES IN NON-FREEZING CLIMATES. COMPRESSION BRASS VALVES. HEAVY CAST IRON BOX, JAPANNED. WROUGHT IRON GALVANIZED PIPES.

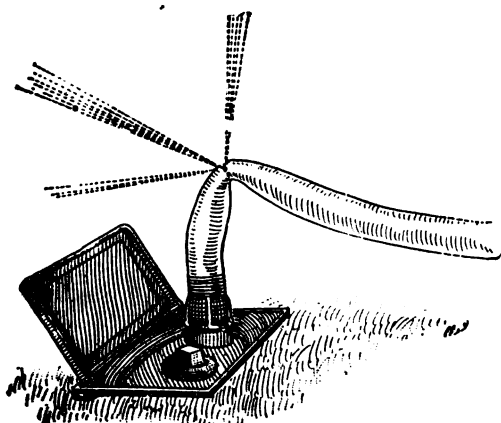
To set in ground 1½ feet.

Code.....	Knipbeer	Kniperst	Kniplute	Knipole
Inches .....	¾	1	1¼	1½
Each .....	\$3.50	4.00	5.00	7.50
Weight each, lbs.....	10	10½	.....	.....

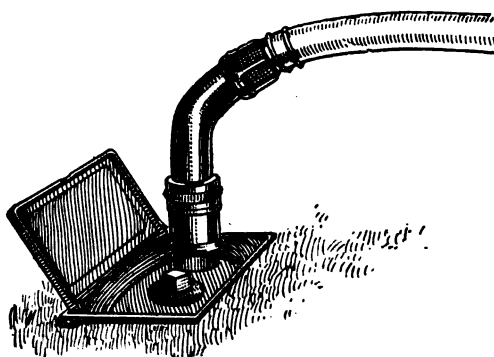
Each Washer has a key.

## CHICAGO GOOSE NECK CONNECTIONS.

MADE OF BRASS.



The Old Way.



With Chicago Goose Neck.

Code.....	Knipster
Inch.....	¾
Per dozen.....	\$6.75
Weight per doz., lbs.....	6

One dozen in a box.

**COMMON SAD IRONS.**

1893.

Code .....	Knirpsin	Knistine	Knittle	Knoblock
Pounds .....	4	5	6	7
Per pound.....				\$0.08
Code.....	Knocker	Knorden	Knorpele	
Pounds.....	8	9	10	
Per pound.....				\$0.08

Tied in pairs.

**GENEVA SAD IRONS.**

SILVER POLISHED.

Code .....	Knotick	Knotty	Knuckled	Knurling
Pounds.....	4	5	6	7
Per pound.....				\$0.09 1/2
Code .....	Knutsel	Kobalt	Kobanged	
Pounds .....	8	9	10	
Per pound.....				\$0.09 1/2

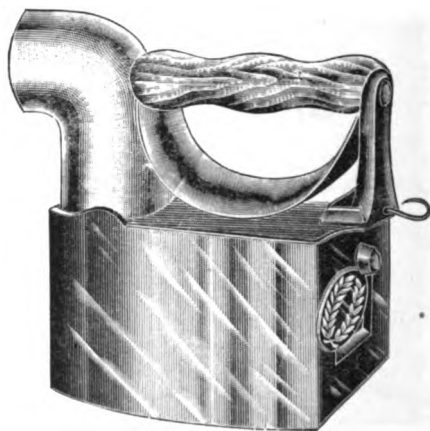
Tied in pairs.

**CHARCOAL SHIELD IRONS.**

SELF-HEATING. POLISHED.

Code .....	Kobelman
Number.....	
Per dozen.....	\$15.75
Weight per doz., lbs.....	78

One dozen in a case.

**MRS. POTTS' SAD IRONS.**

TINNED TOPS.

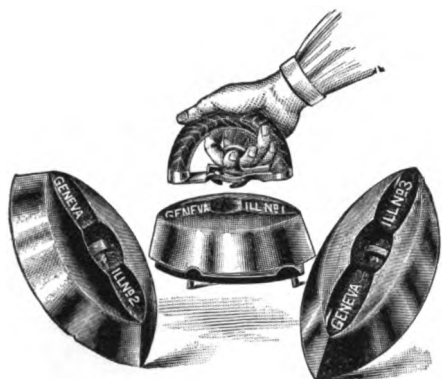
In Sets of Nos. 1, 2 and 3 Irons, Handle and Stand.

Code .....	Kobilowit	Kobrest
Numbers.....	50	55
Style .....	Nickel-plated	Polished
Per set .....	\$1.50	1.50
Weight per set, lbs.....	14	14
Weight per case, lbs.....	100	100

Six sets in a case.

Caps and Screws for Mrs. Potts' Irons.....	Each,	\$0.25
Stands for Mrs. Potts' Irons .....	Per dozen,	.90





## NEW STYLE MRS POTTS' SAD IRONS.

SOLID NICKEL-PLATED SILVER POLISHED.

In Sets of Nos. 1, 2 and 3 Irons, Handle and Stand.

Code .....	Kochend
Per set .....	\$1.80
Weight per set, lbs.....	18
Weight per case, lbs.....	120
Six sets in a case.	



## ASBESTOS SAD IRONS.

HIGHLY POLISHED AND NICKEL-PLATED. IN SETS OF  
OF NOS. 1, 2 AND 3 IRONS. ASBESTOS-LINED  
HOOD HANDLE AND ASBESTOS STAND.

Code .....	Kofferdam
Per set .....	\$2.25
Weight per set, lbs.....	16
Weight per case, lbs.....	114
Six sets in a case.	



## SENSIBLE TOILET IRONS.

POLISHED AND NICKEL-PLATED. A HANDLE AND STAND  
WITH EACH IRON.

Code .....	Koffergate
Number .....	4
Per dozen .....	\$4.50
Weight per doz., lbs.....	33
Weight per case, lbs.....	42

One dozen in a case.

## SENSIBLE TOY IRONS.

POLISHED AND NICKEL-PLATED. A HANDLE AND  
STAND WITH EACH IRON.

Code .....	Koffiedike
Number .....	6
Per dozen .....	\$3.00
Weight per doz., lbs.....	12
Weight per case, lbs.....	18

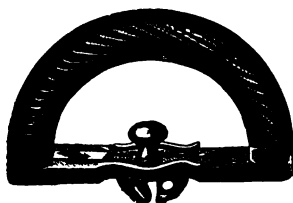
One dozen in a case.



## MRS. POTTS' IRON HANDLES.

Code .....	Koffiehus	Koffiemeld
Style .....	Japanned Stretcher	Tinned Stretcher
Per dozen .....	\$1.50	3.00
Weight per doz., lbs.....	6	6

One-quarter dozen in a package.

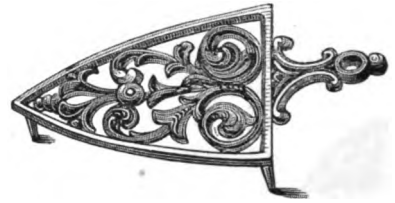


**SAD IRON STANDS.**

COPPER-PLATED.

Code.....	Kogelled
Number .....	<b>14</b>
Per dozen .....	<b>\$0.75</b>
Weight per doz., lbs.....	<b>6</b>

One dozen in a package.

**PLAIN BRASS KETTLES.**

SPUN. FULL SIZE. EXTRA HEAVY BOTTOMS.

Code.....	Kohlart	Kohenlot	Kohlhart
Gallons.....	$\frac{1}{2}$	<b>1</b>	<b>1½</b>
Top diameter, inches.....	<b>7</b>	<b>8</b>	<b>9</b>
Height, inches.....	<b>4½</b>	<b>5</b>	<b>6</b>
Per dozen .....	<b>\$10.26</b>	<b>15.38</b>	<b>25.66</b>
Weight per doz., lbs.....	<b>12</b>	<b>18</b>	<b>30</b>

Code .....	Kohlruibe	Koldermit	Kolenade	Kolfball	Kolluth	Kolvart	Kombard
Gallons .....	<b>2</b>	<b>2½</b>	<b>8</b>	<b>4</b>	<b>4½</b>	<b>5</b>	<b>6</b>
Top diameter, inches .....	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
Height, inches.....	<b>7</b>	<b>8</b>	<b>9</b>	<b>9½</b>	<b>10</b>	<b>10½</b>	<b>11</b>
Per dozen.....	<b>\$30.78</b>	<b>35.90</b>	<b>41.04</b>	<b>51.20</b>	<b>59.00</b>	<b>66.70</b>	<b>76.94</b>
Weight per doz., lbs.....	<b>36</b>	<b>42</b>	<b>48</b>	<b>60</b>	<b>69</b>	<b>78</b>	<b>90</b>

Code .....	Kometen	Komfort	Kompass	Komplate	Komthur	Komfete	Kongera
Gallons .....	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>18</b>	<b>25</b>	<b>32</b>
Top diameter, inches .....	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>
Height, inches.....	<b>11½</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15½</b>	<b>17</b>	<b>17</b>
Per dozen.....	<b>\$92.34</b>	<b>116.24</b>	<b>139.48</b>	<b>184.10</b>	<b>223.20</b>	<b>306.84</b>	<b>385.00</b>
Weight per doz., lbs.....	<b>108</b>	<b>126</b>	<b>150</b>	<b>198</b>	<b>240</b>	<b>320</b>	<b>414</b>

Each Kettle papered and labeled.

**MINCING KNIVES.**

CAST STEEL BLADES. PLAIN WOOD HANDLES.

Code.....	Kongnote
Number .....	<b>4</b>
Per dozen .....	<b>\$3.50</b>
Weight per doz., lbs.....	<b>4½</b>

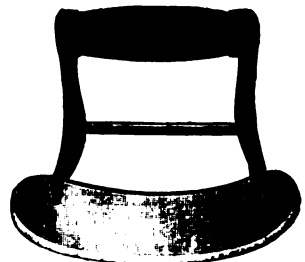
One dozen in a box.

**CAST STEEL MINCING KNIVES.**

SINGLE BRIGHT STEEL BLADES. PLAIN WOOD HANDLES.

Code.....	Konserve
Number .....	<b>17</b>
Per dozen .....	<b>\$3.00</b>
Weight per doz., lbs.....	<b>5</b>

One dozen in a box.





### CAST STEEL MINCING KNIVES.

SINGLE POLISHED CIRCULAR STEEL BLADES. IRON HANDLES. JAPANNED.

Code.....	Konsonate
Number .....	5
Per dozen .....	\$4.00
Weight per doz., lbs.....	14

One dozen in a box.



### CAST STEEL MINCING KNIVES.

SINGLE POLISHED SQUARE STEEL BLADES. IRON HANDLES. JAPANNED.

Code.....	Konterfet
Number .....	4
Per dozen .....	\$4.00
Weight per doz., lbs.....	15

One dozen in a box.



### FORCED MINCING KNIVES.

SINGLE POLISHED CAST STEEL BLADES FORGED FROM BAR AND TEMPERED. BLADES HAVE HEAVY SHOULDERS AND TANGS WELL FASTENED INTO HANDLES. POLISHED EBONIZED HANDLES.

Code.....	Kontrabal
Number.....	180
Per dozen.....	\$8.00
Weight per doz., lbs.....	11



### CAST STEEL MINCING KNIVES.

SINGLE HEAVY CAST STEEL POLISHED BLADES. HEAVY BRACE SHANKS. TANGS RIVETED THROUGH POLISHED WOOD HANDLES.

Code.....	Kopallat
Number.....	14
Per dozen.....	\$4.00
Weight per doz., lbs.....	5

One dozen in a box.

**STEEL MINCING KNIVES.**

SINGLE SMOOTH STEEL BLADES. MALLEABLE IRON  
BRACE SHANKS. PLAIN WOOD HANDLES.

Code.....	Kopeck
Number.....	<b>6</b>
Per dozen.....	<b>\$1.50</b>
Weight per doz., lbs.....	.....

One dozen in a box.

**STEEL MINCING KNIVES.**

DOUBLE SMOOTH STEEL BLADES. MALLEABLE IRON  
BRACE SHANKS. PLAIN WOOD HANDLES.

Code.....	Kopfset
Number.....	<b>10</b>
Per dozen.....	<b>\$.....</b>
Weight per doz., lbs.....	.....

**"QUICK CUT" MINCING  
KNIVES.**

CURVED POLISHED STEEL BLADES. HEAVY MALLEABLE  
IRON BRACE SHANKS. TANGS RIVETED  
THROUGH POLISHED WOOD HANDLES.  
CUTS 7 INCHES EACH STROKE.

Code.....	Kopfstim
Style.....	<b>B</b>
Per dozen.....	<b>\$3.00</b>
Weight per doz., lbs.....	<b>3½</b>

One dozen in a box.

**"SENSIBLE" MINCING  
KNIVES.**

TEMPERED STEEL BLADES, NICKEL-PLATED. BLADES  
CAN BE REMOVED FOR SHARPENING. JAPANNED  
IRON HANDLES. CUTS 12 INCHES EACH STROKE.

Code.....	Kopftone
Number.....	<b>60</b>
Per dozen.....	<b>\$4.00</b>
Weight per doz., lbs.....	.....

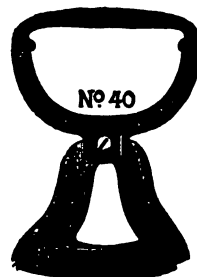
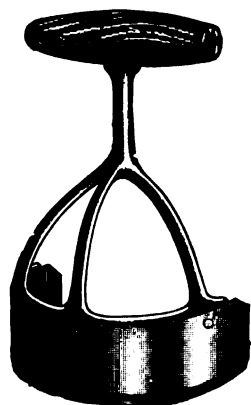
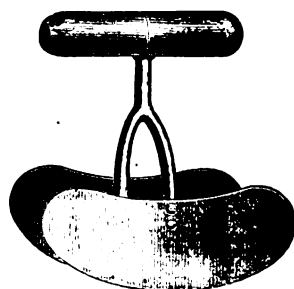
One dozen in a box.

**"SENSIBLE" MINCING  
KNIVES.**

SAME STYLE AS NUMBER 60. HAS 8 INCHES CUTTING  
SURFACE.

Code.....	Kopfsast
Number.....	<b>40</b>
Per dozen.....	<b>\$.....</b>
Weight per doz., lbs.....	.....

One dozen in a box.







## H. M. & S. TIN SEWER LAMPS— IC.

WITH SPIKE ON SIDE. HAS NUMBER 3 TWO-TUBE  
BURNER FOR LARD OIL.

Code.....	Kophame
Inches.....	8¼ x 4½
Per dozen.....	\$3.25
Weight per doz., lbs.....	3½



## TIN MINERS' LAMPS.

HINGED TOP.

Code.....	Koppela	Kopulate
Numbers .....	28	2D
Style.....	Single Tube	Double Tube
Per dozen.....	\$1.50	2.25
Weight per doz., lbs.....	1½	1¾

One dozen in a box.



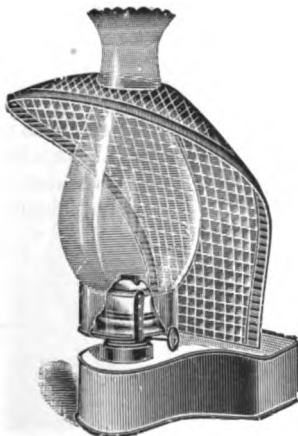
## “STAR” LAMPS.

HEAVY. HINGED TOP. DOUBLE TUBE.

Code.....	Kopulier	Koraal
Numbers .....	2 Miners'	2 Drivers'
Per dozen.....	\$4.00	4.50
Weight per doz., lbs.....	.....	.....

One dozen in a package.

Drivers' Lamp is same as Miners', except it has longer tube.



## SIDE WALL LAMPS.

JAPANNED GREEN. HAS GOOD REFLECTOR.

Number 20.

Code.....	Korahint	Korandas	Korbarb
Style.....	Without Burner	With Burner	With Burner & Chimney
Per dozen.....	\$3.50	5.40	7.00
Wt. per doz., lbs.....	7½	9	12½

One-half dozen in a package.

## THE MAMMOTH GLOBE INCANDESCENT LAMP.

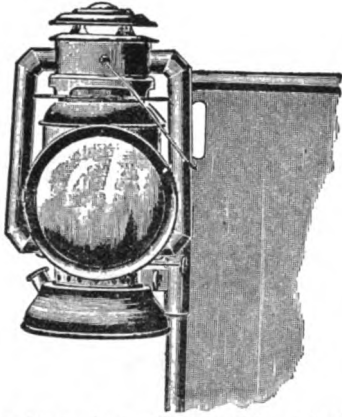
320-CANDLE POWER. POLISHED BRASS. NICKEL-PLATED.



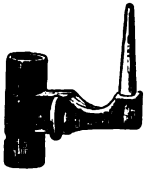
The accompanying cut shows the No. 25 Mammoth Globe Incandescent Lamp with 20-inch tin reflector and chimney complete. The reservoir holds enough oil for eight hours' burning, and is provided with an indicator showing at all times the amount of oil in reservoir. The reservoir never becomes heated. The lamp is fitted with a duplex spreader plate and makes a handsome white flame. It will brilliantly illuminate a room 35 feet square, at a cost of less than one cent per hour.

Code .....	Korbdeck
Number.....	25
Capacity, quarts.....	4
Each.....	\$7.20
Weight each packed, lbs.....	27
Shipping measure each, cubic feet.....	3 $\frac{1}{3}$

One in a case.



Cut shows in position on side of dash.



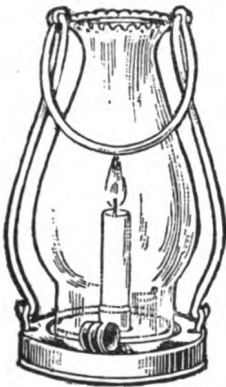
Clamp for side of dash.

## COLD BLAST TUBULAR DRIVING LAMPS.

BURN KEROSENE ONLY. TIN. NICKEL-PLATED, WITH  
DASH CLAMPS. 4-INCH SILVERED REFLECTORS.  
4-INCH DOUBLE CONVEX LENSES.  
½-INCH BURNERS.

Each lamp is supplied with fastenings for attaching it to the center or side of the dash.

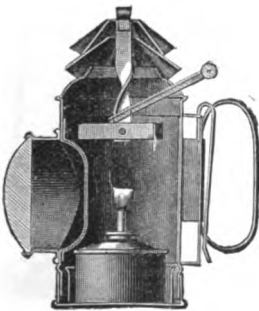
Code.....	Korbbenk
Number.....	18
Height, inches.....	10
Weight per doz., lbs.....	.....
Per dozen.....	\$54.00
Weight per barrel, lbs.....	80
Shipping measure per barrel, cubic feet.....	5 1/2
One dozen in a barrel.	



## DAISY LANTERNS.

FOR ORDINARY CANDLES. LACQUERED TIN BOTTOMS.  
COPPERED WIRE FRAMES. B SUN BULB CHIMNEYS.

Code.....	Korbbenk
Weight per doz., lbs.....	2 1/2
Per dozen, without chimneys.....	\$1.35
Weight per case, lbs.....	39
Shipping measure per case, cubic feet.....	2 3/4
One gross in a case.	



## BULL'S-EYE POLICE LANTERNS.

FLASH LIGHT. BURNS SPERM OIL. JAPANNED BROWN.

The light in this Flash Lantern is controlled by a lever with a thumb pressure. The effect is instantaneous.

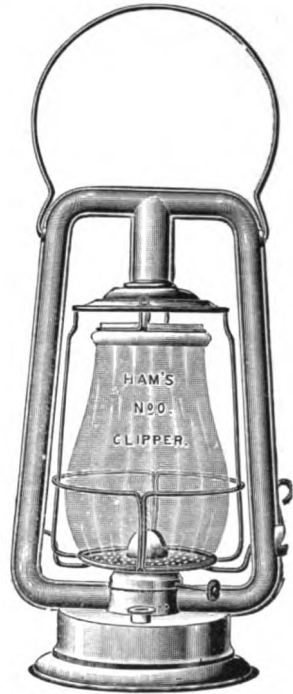
Code.....	Korbban
Size, inches.....	8
Weight per doz., lbs.....	14
Per dozen.....	\$9.00
Weight per case, lbs.....	40
Shipping measure per case, cubic feet.....	2 1/2
Two dozen in a case.	

## **“CLIPPER” TUBULAR LANTERNS.**

PLAIN TIN. TWO-PIECED TUBE. No. 1 BURNER.  $\frac{3}{8}$ -INCH  
 “A” WICK. No. 0 GLOBE. LOCKED BURNER.  
 INSIDE GUARD. OIL FONT RETINNED.  
 CLIPPER SIDE LIFT.

The Font holds oil sufficient to burn 17 hours.

Code.....	Kordian
Number .....	0
Weight per doz., lbs.....	22
Per dozen.....	\$9.50
Weight per case, lbs.....	36
Shipping measure per case, cubic feet.....	3 $\frac{1}{2}$
One dozen in a case.	



## **“CLIPPER” GLASS FONT TUBULAR LANTERNS.**

PLAIN TIN. WITH REMOVABLE GLASS FONT. TWO-  
 PIECED TUBE. No. 1 BURNER.  $\frac{3}{8}$ -INCH “A” WICK.  
 No. 0 GLOBE. BASKET GUARD. CLIPPER SIDE  
 LIFT. GLASS FLANGE IS SECURELY  
 FASTENED.

The Font holds oil sufficient to burn 17 hours.

Code.....	Korenbaar
Number.....	0
Weight per doz., lbs.....	29
Per dozen.....	\$13.00
Weight per case, lbs.....	42
Shipping measure per case, cubic feet.....	3 $\frac{1}{2}$
One dozen in a case.	





## **“CLIPPER” TUBULAR LANTERNS.**

PLAIN TIN. TWO-PIECED TUBE. No. 2 BURNER  
1-INCH “B” WICK. No. 0 GLOBE. LOCKED  
BURNER. INSIDE GUARD. OIL FONT RE-  
TINNED. CLIPPER SIDE LIFT.

The Font holds oil sufficient to burn 19 hours.

Code .....	Korenhute
Number.....	2
Weight per doz., lbs.....	24
Per dozen.....	\$13.00
Weight per case, lbs.....	40
Shipping measure per case, cubic feet.....	3 $\frac{1}{2}$
One dozen in a case.	



## **“COLD BLAST” TUBULAR LANTERNS.**

PLAIN TIN. TWO-PIECED TUBE. No. 1 COLD BLAST  
BURNER.  $\frac{5}{8}$ -INCH “A” WICK. No. 0 COLD  
BLAST GLOBE. CLIPPER SIDE LIFT.

The Font holds oil sufficient to burn 19 hours.

Code .....	Korenjamb
Number .....	1
Weight per doz., lbs.....	28
Per dozen.....	\$13.50
Weight per case, lbs.....	24
Shipping measure per case, cubic feet.....	2 $\frac{1}{4}$
One-half dozen in a case.	

## "COLD BLAST" TUBULAR LANTERNS.

PLAIN TIN. TWO-PIECED TUBE. No. 2 COLD BLAST  
BURNER. 1-INCH "B" WICK. No. 0 COLD BLAST  
GLOBE. CLIPPER SIDE LIFT.

The Font holds oil sufficient to burn 19 hours.

Code.....	Korenmode	
Number .....	2	
Weight per doz., lbs.....	30	
Per dozen.....	\$16.00	
Weight per case, lbs.....	25	
Shipping measure per case, cubic feet.....	2¼	
One-half dozen in a case.		



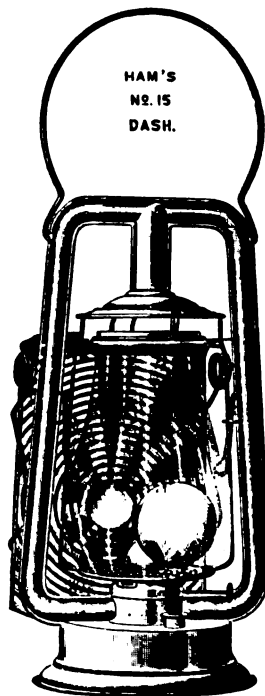
## CLIPPER TUBULAR DASH LANTERNS.

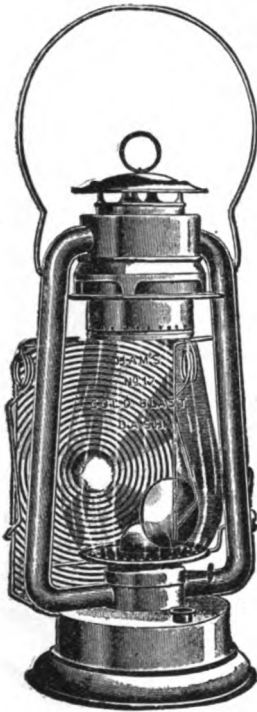
TIN, BLUE JAPANNED. TWO-PIECED TUBE. No. 1 BURNER.  
¾-INCH "A" WICK. No. 0 GLOBE, EITHER BULB'S-  
EYE OR PLAIN. LOCKED BURNER. OIL FONT  
RETINNED. CLIPPER SIDE LIFT.

The Font holds sufficient oil to burn 17 hours.

Code .....	Korentank	Korenzeet
Numbers.....	15 P	15 B
Weight per doz., lbs.....	28	28
Per dozen.....	\$13.00	13.50
Weight per case, lbs.....	27	27
Shipping measure per case, cubic feet	2¼	2¼

One-half dozen in a case.



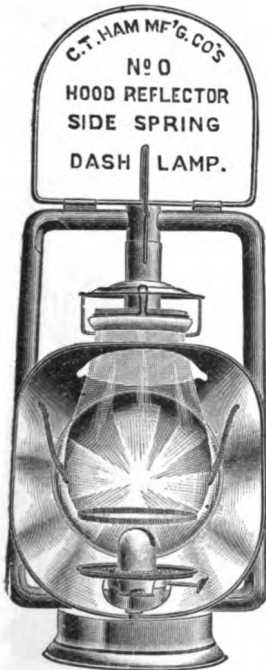


## COLD BLAST TUBULAR DASH LANTERNS.

TIN, BLUE JAPPANED. TWO-PIECED TUBE. No. 2 COLD BLAST BURNER. 1-INCH "B" WICK. No. 0 COLD BLAST BULL'S-EYE GLOBE. LOCKED BURNER. OIL FONT RETINNED. CLIPPER SIDE LIFT.

The Font holds sufficient oil to burn 19 hours.

Code .....	Korfdrag
Number .....	<b>17 B</b>
Weight per doz. lbs .....	36
Per dozen.....	<b>\$20.50</b>
Weight per case, lbs.....	34
Shipping measure per case, cubic feet.....	2½
One-half dozen in a case.	



## HOOD REFLECTOR LANTERNS.

PLAIN TIN. SIDE SPRING. DASH ATTACHMENT. No. 1 HIGH CONE BURNER. No. 0 GLOBE. 5/8-INCH "A" WICK.

The Font holds sufficient oil to burn 15 hours.

This Lantern has the celebrated Side Spring Attachment for raising the globe for lighting, large oil pot, raised filler tube, and 5-inch silvered glass reflector. Produces a very powerful light.

Code.....	Korfmake
Number .....	<b>0</b>
Weight per doz., lbs.....	32
Per dozen.....	<b>\$22.00</b>
Weight per case, lbs.....	40
Shipping measure per case, cubic feet.....	3½
One-half dozen in a case.	

## STANDARD RAILROAD LANTERNS.

FOR SPERM OIL OR KEROSENE. SPRING BAIL.  
DOUBLE UPRIGHT STEEL WIRES. WIRE  
BOTTOM. DOUBLE GUARD.

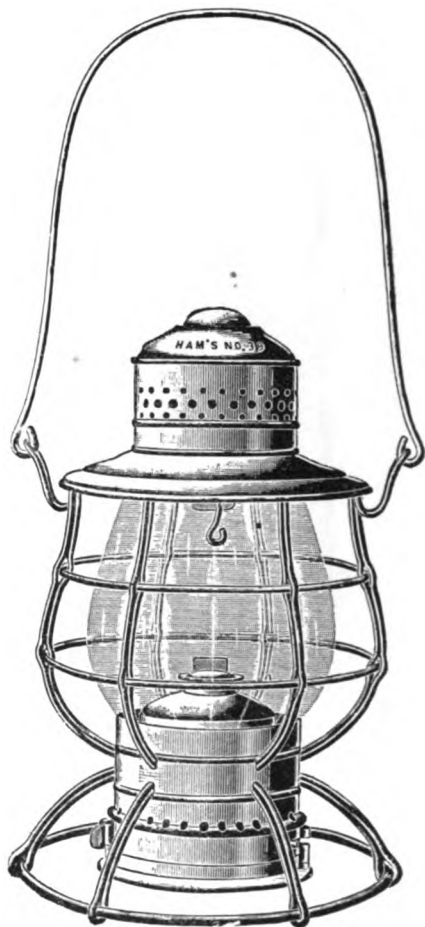
Bail always in position to be grasped. Can be dropped to bottom if desired. No clips on guards to become unsoldered or broken off.

The upright guards are constructed of double round steel wire in one continuous piece.

The best of steel wire and IX tin used.

Code.....	Koriand
Number.....	39
Weight per doz., lbs.....	31
Per dozen .....	\$12.00
Weight per case, lbs.....	47
Shipping measure per case, cubic feet.....	3 $\frac{1}{2}$

One dozen in a case.



## "BUHL" TUBULAR LANTERNS.

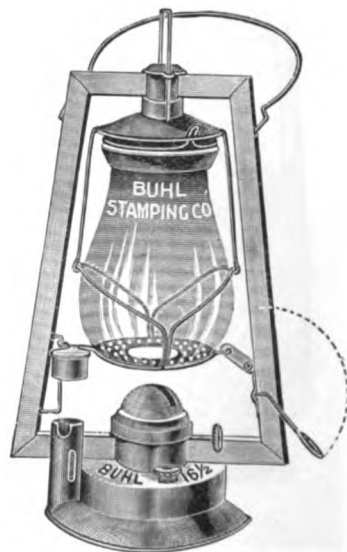
PLAIN TIN. SQUARE TUBE. No. 1 BURNER.  $\frac{5}{8}$ -INCH  
WICK. No. 0 GLOBE. BASKET GUARD. MATCH  
BOX ATTACHMENT. SEAMLESS FONT. SIDE  
LEVER DIRECT LIFT.

The Font holds sufficient oil to burn 19 hours.

Code.....	Korkprent
Number.....	16 $\frac{1}{2}$
Weight per doz., lbs.....	21
Per dozen.....	\$10.00
Weight per case, lbs.....	34
Shipping measure per case, cubic feet.....	3

One dozen in a case.

Carried in Los Angeles stock only.







## **"BUHL" MAMMOTH TUBULAR LANTERNS.**

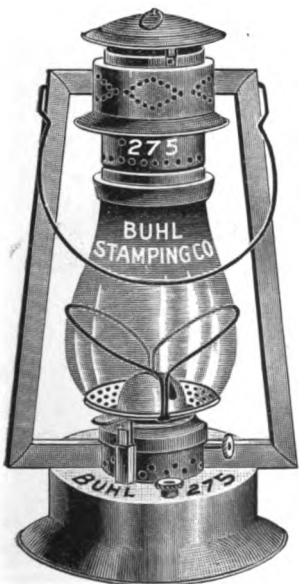
PLAIN TIN. SQUARE TUBE. No. 2 BURNER. 1-INCH WICK. No. 0 GLOBE. BASKET GUARD. MATCH BOX ATTACHMENT. SEAMLESS FONT. SIDE LEVER DIRECT LIFT.

The Font holds sufficient oil to burn 19 hours.

Code.....	Korkspun
Number.....	<b>216½</b>
Weight per doz., lbs.....	23
Per dozen.....	<b>\$13.50</b>
Weight per case, lbs.....	36
Shipping measure per case, cubic feet.....	3¼

One dozen in a case.

Carried in Los Angeles stock only.



## **"BUHL" COLD BLAST TUBULAR LANTERNS.**

PLAIN TIN. SQUARE TUBE. No. 2 BURNER. 1-INCH WICK. [No. 0] COLD BLAST GLOBE. BASKET GUARD. RETINNED FONT. NEW STORM TOP. UPRIGHT BOTTOM LIFT.

The Font holds sufficient oil to burn 19 hours.

Code.....	Kornart
Number.....	<b>275</b>
Weight per doz., lbs.....	30
Per dozen.....	<b>\$16.00</b>
Weight per case, lbs.....	25
Shipping measure per case, lbs.....	2½

One-half dozen in a box.

Carried in Los Angeles stock only.

## **"BUHL" TUBULAR DASH LANTERNS.**

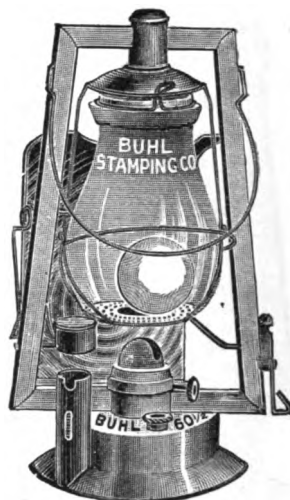
TIN, JAPANNED BLUE. SQUARE TUBE. No. 1 BURNER.  
 $\frac{5}{8}$ -INCH WICK. No. 0 BULL'S-EYE GLOBE. BASKET  
 GUARD. MATCH BOX ATTACHMENT. SEAMLESS  
 FONT. SIDE LEVER DIRECT LIFT. DASH-  
 BOARD ATTACHMENT. POLISHED  
 BULL'S-EYE REFLECTOR.

The Font holds sufficient oil to burn 19 hours.

Code.....	Kornblum
Number.....	60½
Weight per doz., lbs.....	24
Per dozen.....	\$14.00
Weight per case, lbs.....	22
Shipping measure per case, cubic feet.....	2¼

One-half dozen in a case.

Carried in Los Angeles stock only.



## **"BUHL" HOOD REFLECTOR LANTERNS.**

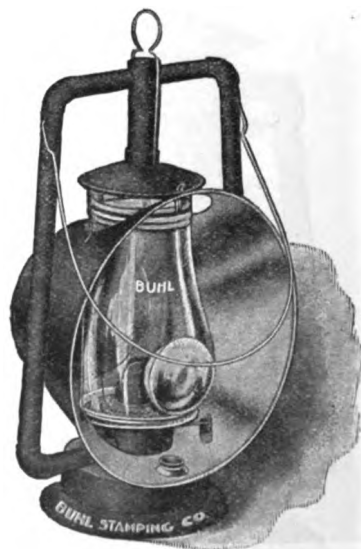
BRIGHT TIN. ROUND TUBE. No. 1 BURNER.  $\frac{5}{8}$ -INCH  
 WICK. No. 0 BULL'S-EYE GLOBE. SEAMLESS FONT.  
 DIRECT TOP LIFT. DASHBOARD ATTACHMENT.  
 $\frac{5}{8}$ -INCH SILVERED GLASS REFLECTOR.

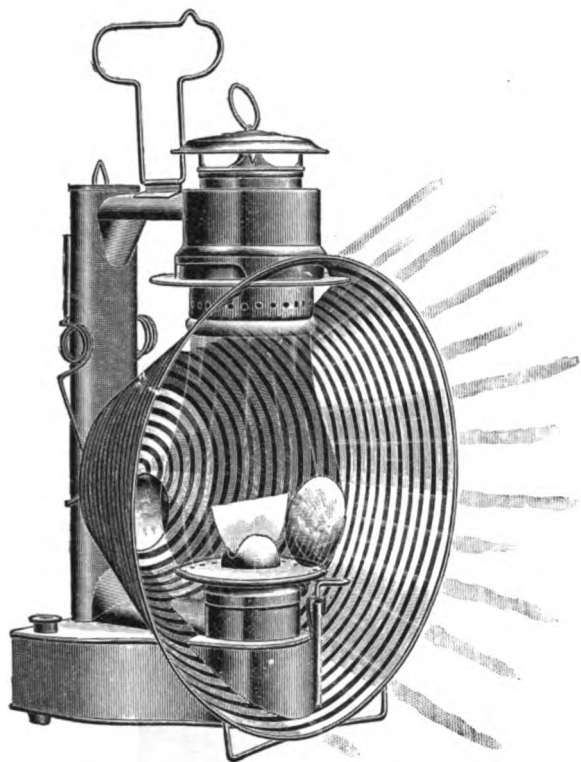
The Font holds sufficient oil to burn 17 hours.

Code.....	Kornelle
Number.....	822
Weight per doz., lbs.....	32
Per dozen.....	\$.....
Weight per case, lbs.....	40
Shipping measure per case, cubic feet.....	3¼

One-half dozen in a case.

Carried in Los Angeles stock only.





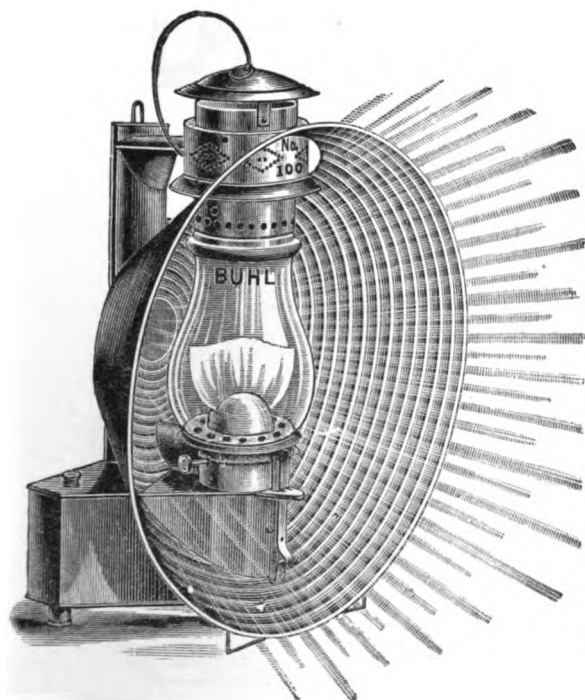
## **TUBULAR COLD BLAST SEARCH LIGHT LANTERNS.**

TIN, JAPANNED BLUE. REFLECTOR 12 INCHES IN  
DIAMETER, 7 INCHES DEEP. No. 2 COLD BLAST  
BURNER. 1-INCH "B" WICK. No. 0 COLD  
BLAST GLOBE. EITHER PLAIN  
OR BULL'S-EYE.

The font holds sufficient oil to burn 36 hours.

Code.....	Kornflick	Kornjar
Numbers .....	<b>20 P</b>	<b>20 B</b>
Weight per doz., lbs.....	44	44
Per dozen .....	\$29.50	30.00
Weight per case, lbs.....	50	50
Ship. measure per case, cubic feet.	6½	6½

One-half dozen in a case.



## **"BUHL" TUBULAR HEAD LIGHTS.**

TIN. JAPANNED BROWN. 16-INCH HOOD. 7-INCH  
NICKEL-PLATED BRASS REFLECTOR. No. 2  
BURNER. 1-INCH WICK. No. 0  
COLD BLAST GLOBE.

The font holds sufficient oil to burn 48 hours.

Code.....	Kornmange
Number .....	<b>100</b>
Weight per doz., lbs.....	45
Per dozen .....	\$33.00
Weight per case, lbs.....	50
Shipping measure per case, cubic feet..	6½

One-half dozen in a case.

## STATION AND DEPOT LANTERNS.

SQUARE SIDES. BACK REFLECTORS. JAPANNED

BLACK.

Code.....	Kornmint	Kornpact
Numbers .....	<b>1</b>	<b>2</b>
Size glass, inches.....	6x10	8x12
Diameter reflector, inches.....	6	7
Wick, inches.....	$\frac{5}{8}$	1
Each .....	\$2.00	2.75
Weight each, lbs.....	3½	5

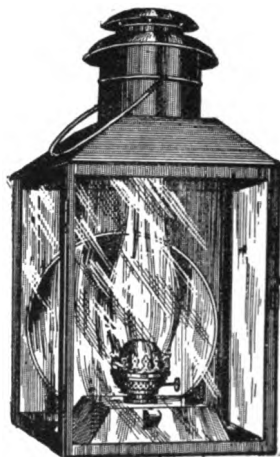


## STATION AND DEPOT LANTERNS.

SQUARE SIDES. BACK REFLECTORS. JAPANNED

BLACK.

Code.....	Kornspar	Kornvoge
Numbers .....	<b>7</b>	<b>8</b>
Size glass, inches.....	10x14	12x16
Diameter reflectors, inches.....	9	11
Wick, inches.....	1½	1½
Each.....	\$3.50	4.75
Weight each, lbs.....	8½	12½



## STATION AND DEPOT LANTERNS.

TRIANGLE SIDES. BACK REFLECTORS. JAPANNED

BLACK.

Code.....	Kornwede	Kornzap
Numbers .....	<b>9</b>	<b>10</b>
Size glass, inches.....	10x12	12x16
Diameter reflectors, inches.....	9	11
Wick, inches.....	1	1½
Each.....	\$2.75	4.00
Weight each, lbs.....	5	8½

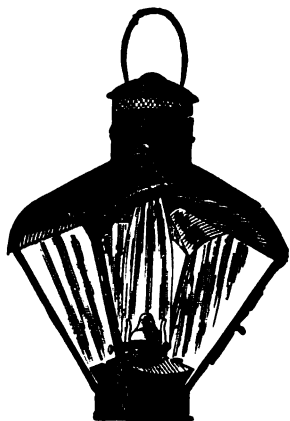




### BULK HEAD LANTERNS.

CORRUGATED, NICKEL-PLATED BRASS REFLECTOR,  
CONVERGING FROM CENTER TO BOTH SIDES.  
JAPANNED BLACK.

Code.....	Koronide	Koronjate
Style.....	Tin	Brass
Size, inches.....	7x9x12	7x9x12
Wick, inch.....	$\frac{5}{8}$	$\frac{5}{8}$
Each .....	\$3.75	10.00
Weight each, lbs.....	6	8



### TAPERING CENTRAL REFLECTOR LANTERNS.

CORRUGATED TIN REFLECTOR. JAPANNED BLACK.

Code.....	Koropedi	Korsofar
Numbers .....	8	8½
Size, inches.....	13x18	15x20
Wick, inches.....	1	1½
Each.....	\$5.00	6.00
Weight each, lbs.....	6½	8½

For Mill, Mining or Factory Use.



### SQUARE CENTRAL REFLECTOR LANTERNS.

CORRUGATED TIN TOP AND BOTTOM REFLECTORS.  
JAPANNED BLACK.

Code .....	Kortadem
Number.....	4
Size, inches.....	12x20
Wick, inches.....	1½
Each.....	\$6.00
Weight each, lbs.....	9

For Mill, Mining or Factory Use.

## SHAFT LANTERNS.

FOR CANDLE. JAPPANED BLACK.

Code.....	Kortbond	Korteling
Style.....	Small	Large
Inches .....	4x8	5x10
Each.....	\$2.00	2.25
Weight each, lbs.....	2½	3¾

Large Size has Font, so that either Candle or Oil can be Burned.

Above Lanterns also Made of Brass to Order.



## TAPERING SIDE REFLECTOR LANTERNS.

SILVERED GLASS BACK REFLECTOR AND CORRUGATED TIN TOP REFLECTOR. JAPPANED BLACK.

Code.....	Korthalz
Number.....	11
Size, inches .....	15x20
Diameter reflector, inches.....	8
Wick, inches.....	1½
Each.....	\$6.50
Weight each, lbs.....	10

For Mills, Mines or Factories.

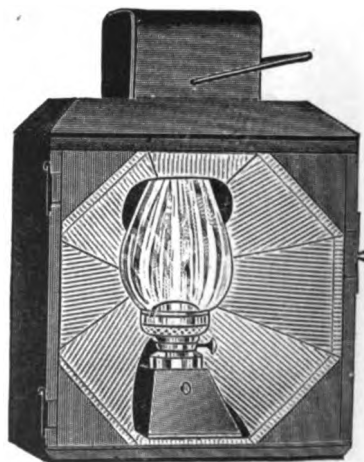


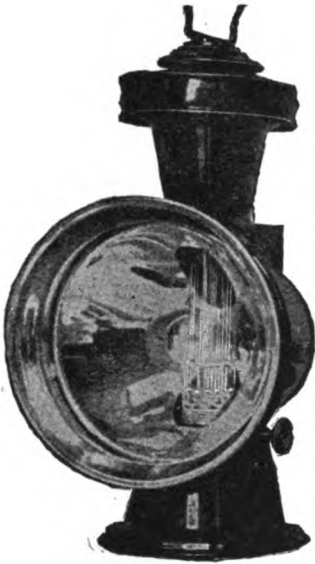
## OCTAGON REFLECTOR HEAD LIGHTS.

CORRUGATED OCTAGON REFLECTORS. POWERFUL  
No. 2 LEADER BURNER. JAPPANED BLACK.

Code .....	Korthed	Korting
Numbers.....	5	6
Front, inches.....	12x12	16x16
Wick, inches.....	1½	1½
Each.....	\$5.75	10.75
Weight each, lbs.....	8	13½

For Mills, Mines or Factories.

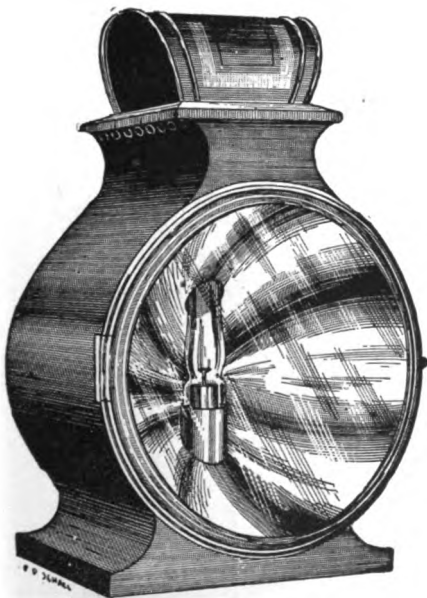




### WAGON HEAD LIGHTS.

PARABOLIC SILVER-PLATED REFLECTORS. SMALL LOCOMOTIVE HEAD LIGHT BURNERS. JAPANNED BLACK.

Code.....	Kortkist	Kortmesse	Kortstart
Diameter lens, inches.....	6	8	12
Diameter wick, inch.....	$\frac{3}{8}$	1	1
Each.....	\$12.00	15.00	18.00
Weight each, lbs.....	6½	7¼	15



Cuts hows Round Casing.

### LOCOMOTIVE AND MINING HEAD LIGHTS.

WITH SQUARE OR ROUND CASING. PARABOLIC SILVER-PLATED REFLECTORS. LATEST IMPROVED PATTERN LOCOMOTIVE HEAD LIGHT BURNERS. JAPANNED BLACK AND DECORATED.

Code, square casing..	Kortvot	Kortwick	Korybant	Kosmetic
Code, round casing..	Kosthare	Kostgang	Kostume	Kothkard
Diameter lens, inches..	14	17	20	24
Diam. wick, inches..	1	1½	1¾	2
Each.....	\$30.00	40.00	50.00	65.00
Weight each, lbs.....	28½	35	50	88

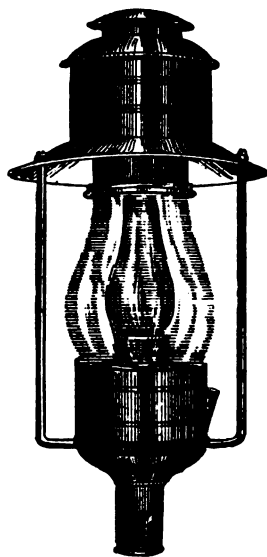
## TUBULAR GLOBE STREET LAMPS.

TIN, JAPANNED GREEN. WITH WHITE REFLECTOR. No. 3 BURNER. No. 3 GLOBE. 1½-INCH "D" WICK.

The font holds sufficient oil to burn 24 hours, giving light equal to 22½-candle power. Is not affected by the strongest wind. Can be regulated to burn a certain number of hours.

Code.....	Kothlawn
Number.....	8
Height, inches.....	27
Each.....	\$8.00
Weight each, lbs.....	7
Weight per case, lbs.....	26
Shipping measure per case, cubic feet.....	3⅓

One in a case.



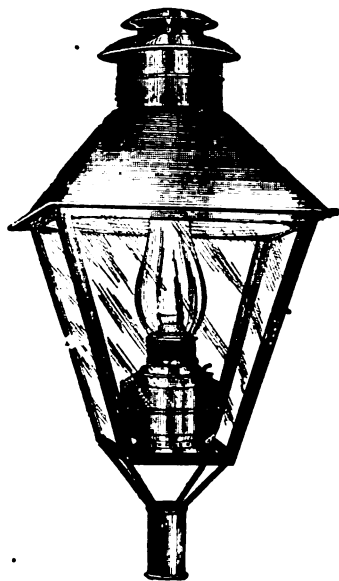
## SQUARE STREET LAMPS.

WITH No. 2 ROCHESTER FONT. JAPANNED BLACK. WILL BURN IN THE MOST VIOLENT GALE

The font holds two quarts of oil, and burns 10 hours.

Code.....	Kothvulk	Koubeit
Style.....	Round Wick	Flat Wick
Wick, inches.....	1½ Diam.	1½
Each.....	\$8.50	7.50
Weight each, lbs.....	16	16

Fitted with socket, 3¼ inches inside diameter for post or bracket.

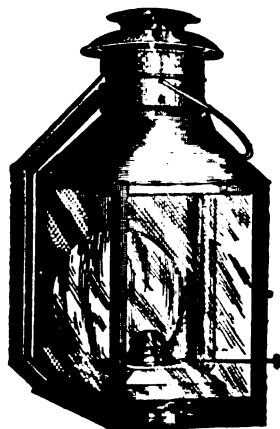


## TUBULAR SQUARE SIDE LAMPS.

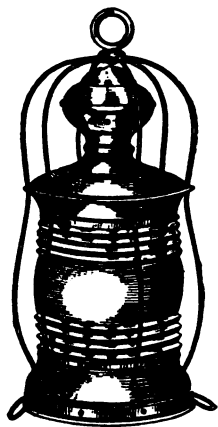
TIN, JAPANNED BLACK. No. 3 BURNER. 1½-INCH "D" WICK. NOT AFFECTED BY THE STRONGEST WIND.

Code.....	Koudacht	Koupard
Numbers.....	2	8
Diameter of reflector, inches.....	8	12
Height, inches.....	21½	26
Width, inches.....	9⅝	13¼
Depth, inches.....	10½	13
Each.....	\$6.50	8.50
Weight each, lbs.....	9	12
Weight per case, lbs.....	21	33
Shipping measure per case, cubic feet..	2	3⅓

One in a case.





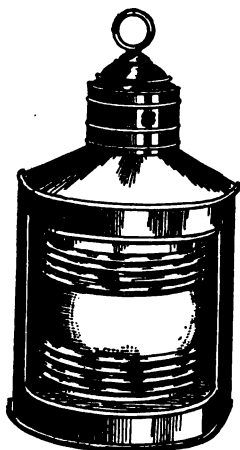


## FRESNEL ANCHOR OR SIGNAL LIGHTS.

GALVANIZED IRON. FOR COAL OIL OR LARD OIL.

Code, lard oil.....	Kourake	Kourilo
Code, coal oil.....	Kousebad	Kouterhon
Diameter, inches.....	6	8
Wick, inch.....	$\frac{3}{8}$	1
Each.....	\$5.25	9.75
Weight each, lbs.....	8 $\frac{1}{2}$	14

Can furnish above finished in polished brass. Prices on application.



## REGULAR MAST HEAD LIGHTS.

GALVANIZED IRON. GLASS IS ONE-HALF SECTION OF FRESNEL GLOBE. FOR COAL OIL OR LARD OIL.

Code, lard oil.....	Kraagmer	Kraaidor
Code, coal oil.....	Kraamber	Kraanbunt
Diameter of globe, inches.....	6	8
Wick, inch.....	$\frac{3}{8}$	1
Each.....	\$7.50	12.00
Weight each, lbs.....	7 $\frac{1}{2}$	12

Can furnish above finished in polished brass. Prices on application.



## REGULAR SHIP SIDE LIGHTS.

GALVANIZED IRON. GLASS IS ONE-THIRD SECTION OF FRESNEL GLOBE FOR COAL OIL OR LARD OIL.

Code, lard oil.....	Krabacht	Krabschur	Krachban	Kraftgent
Code, coal oil.....	Kraftmal	Krakeel	Kramanze	Krampfad
Style .....	Port	Port	Starboard	Starboard
Size, inches.....	6	8	6	8
Wick, inch.....	$\frac{3}{8}$	1	$\frac{3}{8}$	1
Each.....	\$10.50	13.50	10.50	13.50
Weight each, lbs..	8	13	8	13

Can furnish above in polished brass. Prices on application.

In ordering Lanterns described on this page, state whether wanted for Coal Oil or Lard Oil.

## TUBULAR LANTERN BURNERS.

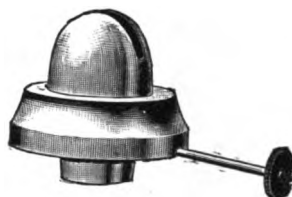
BRASS.

Code .....	Kramward	Kranbalk
Numbers .....	1	2
Wick .....	$\frac{5}{8}$ -in. "A"	1-in. "B"
Per dozen.....	\$0.70	1.50
Weight per doz., lbs.....	1	1 $\frac{3}{4}$

One dozen in a box.

No. 1 Burner for No. 0 Hot Blast Lanterns.

No. 2 Burner for No. 2 Hot Blast Lanterns.

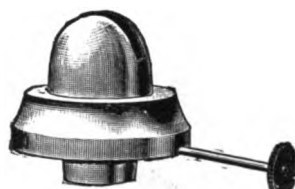


## COLD BLAST TUBULAR LAN- TERN BURNERS.

BRASS.

Code .....	Krankard	Kransblum
Numbers.....	1C	2C
Wick, inch.....	$\frac{5}{8}$	1
Per dozen.....	\$0.70	1.50
Weight per doz., lbs.....	1	1 $\frac{3}{4}$

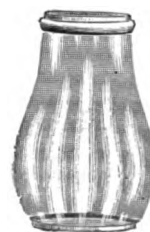
One dozen in a box.



## TUBULAR LANTERN CLOBES.

Code .....	Kranzbent
Number.....	0
Top diameter, inches.....	2 $\frac{1}{16}$
Bottom diameter, inches.....	3 $\frac{3}{8}$
Height, inches.....	6 $\frac{3}{8}$
Bulge, inches.....	4 $\frac{1}{2}$
Per dozen.....	\$0.90
Weight per doz., lbs.....	6
Weight per barrel, lbs.....	70
Shipping measure per barrel, cubic feet.....	6

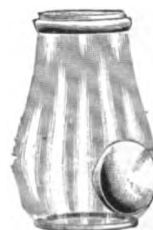
Five dozen in a barrel.



## BULL'S-EYE TUBULAR LAN- TERN CLOBES.

Code.....	Krappart
Number.....	0B
Top diameter, inches.....	2 $\frac{1}{16}$
Bottom diameter, inches.....	3 $\frac{3}{8}$
Height, inches.....	6 $\frac{3}{8}$
Bulge, inches.....	4 $\frac{1}{2}$
Per dozen .....	\$1.92
Weight per doz., lbs....	10
Weight per barrel, lbs.....	72
Shipping measure per barrel, cubic feet.....	7 $\frac{1}{2}$

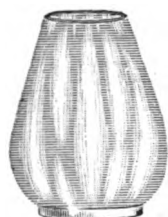
Five dozen in a barrel.





## COLD BLAST TUBULAR LANTERN GLOBES.

Code.....	Krasgate
Number.....	0C
Top diameter, inches.....	2 $\frac{3}{4}$
Bottom diameter, inches.....	3 $\frac{3}{16}$
Height, inches.....	6 $\frac{1}{4}$
Bulge, inches.....	4 $\frac{1}{4}$
Per dozen.....	\$1.20
Weight per doz., lbs.....	9
Weight per barrel, lbs.....	80
Shipping measure per barrel, cubic feet.....	7 $\frac{1}{2}$
Four and one-half dozen in a barrel.	



## RAILROAD LANTERN GLOBES.

Code.....	Kratzeis
Number.....	89
Top diameter, inches.....	2 $\frac{3}{4}$
Bottom diameter, inches.....	3 $\frac{1}{4}$
Height, inches.....	5 $\frac{1}{2}$
Bulge, inches.....	4 $\frac{1}{2}$
Per dozen.....	\$1.50
Weight per doz., lbs.....	9
Weight per barrel, lbs.....	70
Shipping measure per barrel, cubic feet.....	6
Five dozen in a barrel.	



## SUN LAMP CHIMNEYS.

CRIMPED TOPS.

Code.....	Kratzml
Number.....	2 or B
Bottom diameter, inches.....	3
Per dozen.....	\$.....
Weight per doz., lbs.....	.....
Weight per case, lbs.....	60
Shipping measure per case, cubic feet.....	.....
Six dozen in a case.	
Fits Daisy Lanterns and Side Wall Lamps.	

## ROCHESTER LAMP CHIMNEYS.

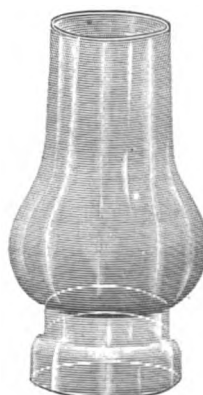
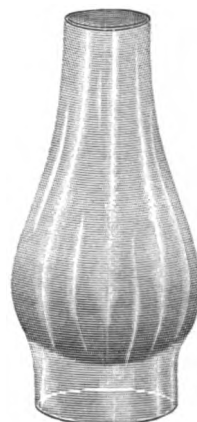
BEST QUALITY.

Code .....	Krausist	Krautack
Numbers .....	<b>2</b>	<b>3</b>
Bottom diameter, inches .....	2 $\frac{3}{4}$	4
Height, inches .....	10	12
Per dozen .....	\$2.25	3.75
Weight per doz., lbs. ....		
Weight per case, lbs. ....	70	72
Shipping measure per case, cubic feet. ....		

No. 2, six dozen; No. 3, three dozen in a case.

No. 2 fits Nos. 1 and 10 Orient Oil Heaters.

No. 3 fits Nos. 2 and 20 Orient Oil Heaters.

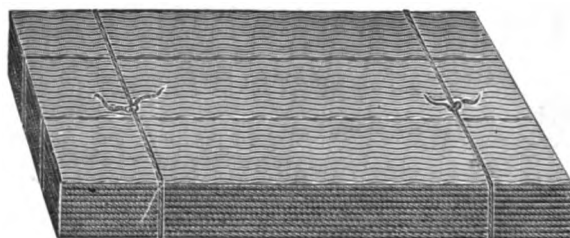


## GLOBE INCANDESCENTS.

Code .....	Krauthon
Number .....	<b>2</b>
Bottom diameter, inches .....	4 $\frac{1}{2}$
Per dozen .....	\$4.50
Weight per doz., lbs. ....	
Weight per case, lbs. ....	85
Shipping measure per case, cubic feet. ....	

Three dozen in a case.

## LAMP AND OIL STOVE WICKS.



## FLAT LANTERN WICKS.

Code .....	Krautnude	Kraward	Krebsart	Kredents
Numbers .....	<b>0 or E</b>	<b>1 or A</b>	<b>2 or B</b>	<b>3 or D</b>
Inches .....	$\frac{1}{2}$	$\frac{3}{8}$	1	1 $\frac{1}{2}$
Per gross .....	\$0.60	.75	1.00	1.75
Weight per gross, lbs. ....	$\frac{5}{8}$	$\frac{7}{8}$	1 $\frac{1}{4}$	2

One gross in a package.

## FLAT LAMP STOVE WICKS.

Code .....	Kreisame	Kreisband	Kreischut	Kreisleg	Kreisline
Inches .....	<b>3</b>	<b>3 <math>\frac{1}{2}</math></b>	<b>4</b>	<b>4 <math>\frac{1}{2}</math></b>	<b>5</b>
Length, inches .....	8	8	8	8	8
Per dozen .....	\$0.40	.60	.70	.84	1.00
Weight per doz., lb. ....	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{8}$

Three dozen in a package.

## NEW PROCESS AND STANDARD OIL HEATER AND INCANDESCENT LAMP WICKS.

DOUBLE THICK. CIRCULAR.

Code .....	Kreistrum	Krensaut	Krenterg	Kresshun
Numbers.....	<b>10</b>	<b>17</b>	<b>20</b>	<b>25</b>
Circumference, inches.....	9	9	9	9
Length, inches.....	8	8	8	8
Per dozen.....	\$1.15	1.15	1.15	1.15
Weight per doz., lbs.....	1½	1½	1½	1½

One dozen in a package.

## ALCOHOL LAMP WICKS.

Code .....	Kreuber	Kreusment
Numbers.....	<b>280</b>	<b>296</b>
Per dozen.....	\$0.75	.60

One dozen in a package.

## ORIENT OIL HEATER WICKS.

SPECIAL. CIRCULAR.

Code .....	Kreutzer	Kreuzalt
Numbers.....	<b>1 or 10</b>	<b>2 or 20</b>
Circumference, inches.....	5	9
Length, inches.....	7¼	8
Per dozen.....	\$0.60	2.00
Weight per doz., lbs.....	¾	¾

One dozen in a package.

## STANDARD BLUE FLAME OIL STOVE WICKS.

SPECIAL. CIRCULAR.

Code .....	Kreuzbog	Kreuzhaft	Kreuzrind
Numbers.....	<b>Small</b>	<b>Medium</b>	<b>Large</b>
Diameter of burner, inches.....	3½	4½	6
Length, inches.....	5	5	5
Circumference, inches.....	10½	13	18½
Per dozen.....	\$1.15	1.50	1.90
Weight per doz., lbs.....	1½	2	2¾

One dozen in a package.

## ELECTRIC OIL HEATER WICKS.

SPECIAL. CIRCULAR.

Code .....	Kreuztop	Kreuzvite	Kreuzwort	Krident	Kriegsruth
Numbers.....	<b>10</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>20</b>
Circumference, inches.....	10	10	10½	10½	15
Length, inches.....	6	7½	7½	7½	8
Per dozen.....	\$1.15	1.15	1.15	1.15	1.90
Code .....	Kriekend	Krimosis	Kritarch	Kritolac	Kroddess
Numbers.....	<b>30</b>	<b>32</b>	<b>96</b>	<b>98</b>	<b>99</b>
Circumference, inches.....	15	15	9	10	10
Length, inches.....	8	8	7½	7½	7½
Per dozen.....	\$1.90	1.90	1.15	1.15	1.15

One dozen in a package.

**COTTON WICKING.**

FOR TORCHES, ETC.

Code.....	Kroldam
Per pound.....	\$0.30
1/8-pound balls. Five pounds in a sack.	

**SINGLE GASOLINE TORCHES.**

HIGHEST TYPE OF PERFECTION.

Reservoir holds sufficient gasoline to burn from 12 to 14 hours, producing a light equal to eight gas jets.

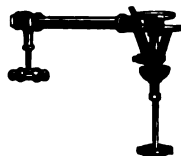
Code.....	Krollhast
Number.....	100
Reservoir capacity, gallons.....	1
Per dozen.....	\$24.00
Weight per doz., lbs.....	42

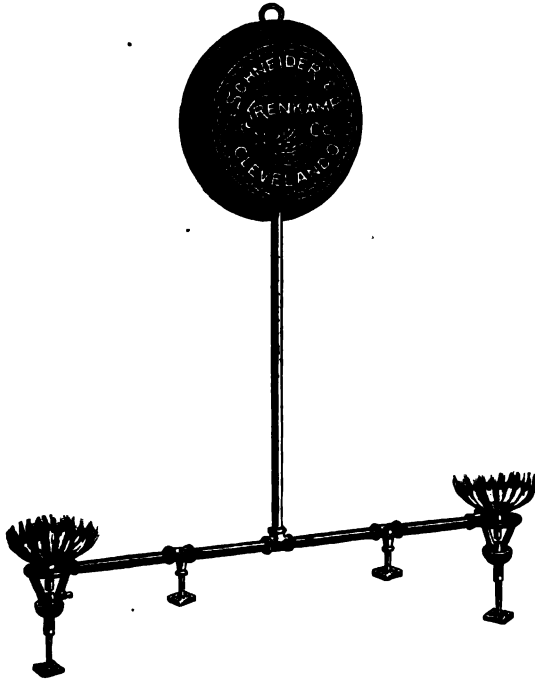
These Torches will burn in a wind that would quickly extinguish any other light except one produced by electricity.

**GASOLINE TORCH BURNERS.**

THREADED. 1/4-INCH IRON PIPE SIZE.

Code.....	Krolltake
Number.....	100 1/2
Per dozen.....	\$18.00
Weight per doz., lbs.....	12





## DOUBLE GASOLINE TORCHES.

Reservoir holds sufficient gasoline to burn from 6 to 7 hours, producing a light equal to 16 gas jets.

Code.....	Krombeen
Number.....	<b>102</b>
Reservoir capacity, gallon.....	1
Per dozen.....	<b>\$42.00</b>
Weight per doz., lbs.....	65



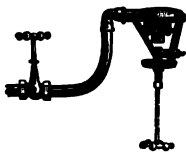
## SINGLE COAL OIL TORCHES.

HIGHEST TYPE OF PERFECTION.

Reservoir holds sufficient oil to burn from 12 to 14 hours, producing a light equal to 8 gas jets.

Code.....	Kromhalz
Number .....	<b>101</b>
Reservoir capacity, gallon.....	1
Per dozen.....	<b>\$24.00</b>
Weight per doz., lbs.....	48

These Torches will burn in a wind that would quickly extinguish any other light except one produced by electricity.



## COAL OIL TORCH BURNERS.

THREADED. ¼-INCH IRON PIPE SIZE.

Code.....	Kromligg
Number .....	<b>101 ½</b>
Per dozen.....	<b>\$18.00</b>
Weight per doz., lbs.....	18

## CALVANIZED WIRE CLOTHES LINES.

### TWISTED WIRE.

#### Fifty Feet.

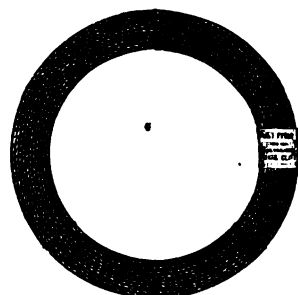
Code.....	Kromtand	Kronbeam	Kronerbim
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
Gauge of wire.....	20	19	18
Per dozen.....	\$2.65	3.00	3.40
Weight per doz. coils, lbs..	12	14	18

#### Seventy-five Feet.

Code.....	Kronhirt	Kronkell	Kronrath
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
Gauge of wire.....	20	19	18
Per dozen.....	\$2.85	3.45	4.00
Weight per doz. coils, lbs.....	18	20	27

#### One Hundred Feet.

Code.....	Kronschut	Kronwick	Kroonbord
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
Gauge of wire.....	20	19	18
Per dozen.....	\$3.75	4.50	5.25
Weight per doz. coils, lbs..	24	26	36



No. Wire

20

18

19

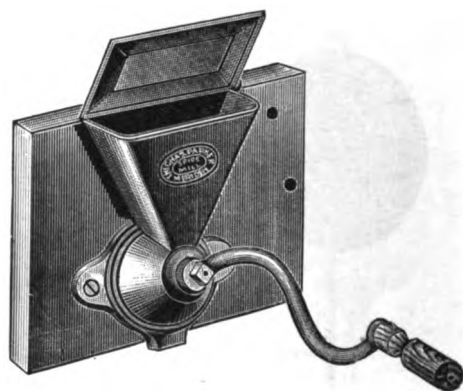
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## PARKER'S SIDE COFFEE MILLS.

### WOOD BACK. JAPANNED HOPPER.

Code.....	Kropacht
Number.....	<b>1850</b>
Board, inches.....	6x8
Hopper, inches.....	1 3/8 x 4 1/4 x 4 1/2
Per dozen.....	\$6.00
Weight per case, lbs.....	48
Shipping measure per case, cubic feet.....	.....

One dozen in a case.



## PARKER'S SIDE COFFEE MILLS.

### WOOD BACK. JAPANNED HOPPER

Code.....	Kropbent	Kropbrode	Kroppell
Numbers.....	<b>50</b>	<b>60</b>	<b>70</b>
Board, inches.....	6x8	6 1/2 x 8 1/2	7 1/4 x 10 1/4
Hopper, inches.....	1 7/8 x 3 1/2 x 4	2 x 3 1/4 x 4 1/2	2 x 4 x 5 1/2
Per dozen.....	\$7.50	8.50	10.00
Wt. per doz. packed, lbs.	48	52	70
Shipping measure per doz., cubic feet.....	2 1/2	2 5/8	3 5/8

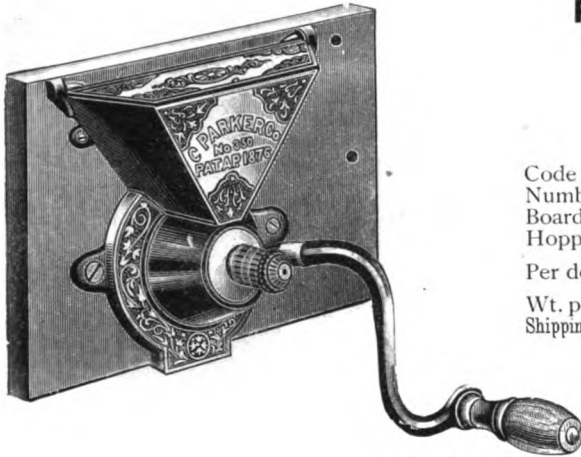
Code.....	Kropzick	Krotonser
Numbers.....	<b>80</b>	<b>90</b>
Board, inches.....	9x12	11 1/4 x 14 1/4
Hopper, inches.....	2 3/4 x 5 x 6 1/4	2 3/4 x 6 1/4 x 9 1/2
Per dozen.....	\$16.00	26.00
Weight per doz. packed, lbs.....	108	146
Ship. measure per doz., cu. ft....	6 3/8	10

One-half dozen in a case.

No. 90 is a very large Mill. Will grind one pound of coffee in two minutes and a half.







## PARKER'S SIDE COFFEE MILLS.

WOOD BACKS. BRONZED IRON HOPPERS.

Code .....	Krusten	Krugwirm	Kruidlete
Numbers.....	<b>850</b>	<b>860</b>	<b>870</b>
Board, inches.....	6x8	6½x8½	7¼x10¼
Hopper, inches.....	1⅞x3½x4	2x3¼x4½	2x4x5½
Per dozen .....	\$8.00	9.00	11.00
Wt. per doz. packed, lbs.	50	60	74
Shipping meas. per doz., cu. ft.	2	2½	2¾

One-half dozen in a case.



## PARKER'S BOX MILLS.

DOVETAILED BOXES JAPANNED IRON HOPPERS.

Code .....	Kruipholz
Number .....	<b>117</b>
Box, inches .....	6x6x5
Diameter of hopper, inches.....	4¾
Per dozen. ....	<b>\$7.00</b>
Weight per doz. packed, lbs.....	<b>44</b>
Shipping measure per doz., cubic feet.....	<b>3</b>

One-half dozen in a case.



## PARKER'S BOX MILLS.

DOVETAILED BOXES. JAPANNED IRON HOPPERS.

Code .....	Kruipvine
Number.....	<b>116</b>
Box, inches .....	6½x6½x5
Diameter of hopper, inches.....	4
Per dozen.....	<b>\$8.50</b>
Weight per doz. packed, lbs.....	<b>60</b>
Shipping measure per doz., cubic feet.....	<b>3¾</b>

One-half dozen in a case.

**PARKER'S BOX MILLS.**

DOVETAILED BOXES. JAPANNED IRON HOPPERS

Code.....	Kruisbag	Kruitbank	Kruitdame
Numbers.....	<b>102</b>	<b>108</b>	<b>104</b>
Box, inches.....	6½ x 6½ x 5	6½ x 6½ x 5	6 x 6 x 5
Diameter of hopper, in..	4½	4	4
Per dozen .....	\$9.50	9.00	8.50
Wt. per doz. packed, lbs.	60	57	55
Shipping meas. per doz., cu. ft.	3½	3¼	3

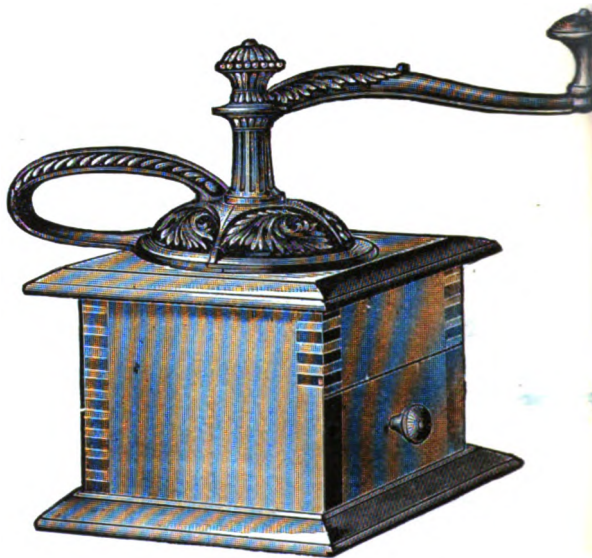
One-half dozen in a case.

**PARKER'S BOX MILLS.**DOVETAILED BOXES. SUNKEN HOPPERS.  
BRONZED TOPS.

These Mills have Hardened Grinders and Shells.

Code.....	Krukpinen	Krulhouten	Krullet
Numbers.....	<b>330</b>	<b>331</b>	<b>332</b>
Box, inches.....	6 x 6 x 5	6½ x 6½ x 5	7 x 7 x 5
Per dozen.....	\$11.50	13.00	14.00
Weight per doz. packed, lbs.	60	64	88
Ship. meas. per doz., cu. ft...	3½	3½	4½

One-half dozen in a case.

**ENTERPRISE COFFEE MILLS.**

JAPANNED IRON.

Can be Regulated to Grind Fine or Coarse.

Code.....	Krulling
Number.....	<b>00</b>
Capacity of hopper, lbs.....	¼
Grinds per minute, lbs.....	⅜
Height, inches.....	9
Each.....	\$1.25
Weight each, lbs.....	6

Twelve in a case.



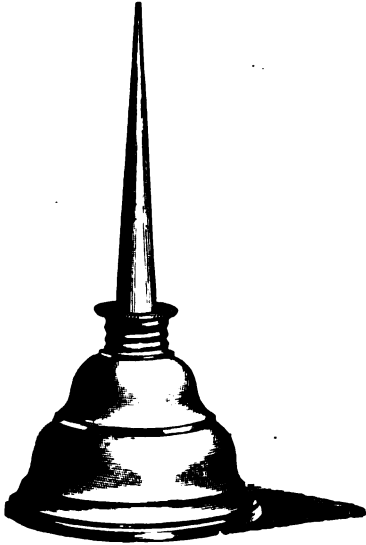
**ENTERPRISE COFFEE MILLS.**

WOOD BASES. JAPANNED IRON BODIES.

Can be Regulated to Grind Fine or Coarse.

Code.....	Krulprist
Number.....	1
Capacity of hopper, lbs.....	$\frac{1}{4}$
Grinds per minute, lbs.....	$\frac{3}{8}$
Height, inches.....	12 $\frac{1}{2}$
Each .....	\$2.25
Weight each, lbs.....	10

Six in a case.

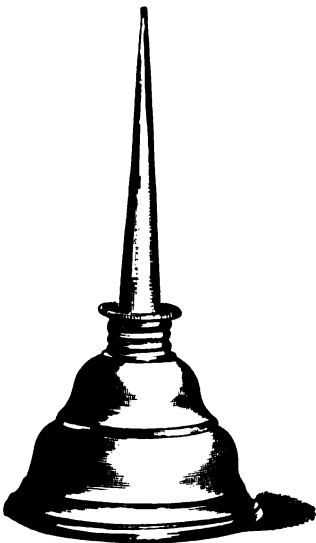
**CHACE'S ZINC OILERS.**

SPRING BOTTOMS.

Code.....	Krumpel	Krystal	Kubikfut	Kuchent
Numbers .....	0	1	2	3
Capacity .....	$\frac{1}{2}$ gill	$\frac{3}{4}$ gill	1 $\frac{1}{4}$ gills	$\frac{1}{2}$ pt.
Diameter, inches.....	2 $\frac{1}{8}$	2 $\frac{3}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$
Per dozen .....	\$1.25	1.50	2.00	2.25
Weight per doz., lbs....	1	1 $\frac{1}{4}$	2	2 $\frac{3}{4}$
Code .....	Kuddebor	Kugelart	Kugelass	
Numbers .....	4	5	6	
Capacity .....	$\frac{3}{4}$ pt.	1 pt.	1 $\frac{1}{4}$ pts.	
Diameter, inches .....	4 $\frac{1}{8}$	4 $\frac{3}{8}$	4 $\frac{3}{4}$	
Per dozen.....	\$2.75	3.50	4.50	
Weight per doz., lbs.....	3 $\frac{1}{4}$	3 $\frac{1}{2}$	4	

Nos. 0 and 1, one dozen in a box.

Nos. 2 to 6, one-half dozen in a box.

**CHACE'S BRASS OILERS.**

SPRING BOTTOMS.

Code .....	Kugelkarn	Kugelmode	Kugelstunt
Numbers.....	2	3	4
Capacity .....	1 $\frac{1}{4}$ gills	$\frac{1}{2}$ pt.	$\frac{3}{4}$ pt.
Diameter, inches .....	3 $\frac{1}{4}$	3 $\frac{3}{4}$	4 $\frac{1}{8}$
Per dozen.....	\$3.50	4.00	4.75
Weight per doz., lbs.....	2	2 $\frac{3}{4}$	3 $\frac{1}{4}$
Code .....	Kugelwahr	Kugelzon	
Numbers .....	5	6	
Capacity .....	1 pt.	1 $\frac{1}{4}$ pts.	
Diameter, inches .....	4 $\frac{3}{8}$	4 $\frac{3}{4}$	
Per dozen.....	\$6.00	7.50	
Weight per doz., lbs.....	3 $\frac{1}{2}$	4	

Add to above list for long spouts \$0.25 per dozen.

Add to above list for bent spouts \$0.25 per dozen.

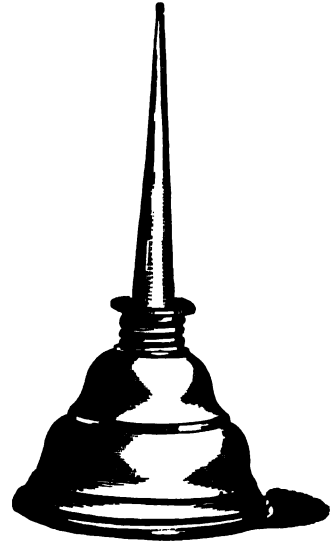
One dozen in a box.

**CHACE'S COPPER OILERS.**

SPRING BOTTOMS.

Code .....	Kuhaup	Kuhblat	Kuhdart
Numbers .....	2	8	4
Capacity .....	1 3/4 gills	1/2 pt.	3/4 pt.
Diameter, inches .....	3 1/4	3 3/4	4 1/8
Per dozen.....	\$3.75	4.25	5.00
Weight per doz., lbs.....	2	2 3/4	3 1/4
Code.....	Kuhfing	Kuhfeuss	
Numbers .....	5	6	
Capacity .....	1 pt.	1 1/4 pts.	
Diameter, inches.....	4 3/8	4 3/4	
Per dozen .....	\$6.25	8.00	
Weight per doz., lbs.....	3 1/2	4	

Add to above list for long spouts \$0.25 per dozen.  
Add to above list for bent spouts \$0.25 per dozen.  
One dozen in a box.

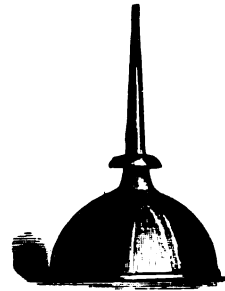


**SEWING MACHINE OILERS.**

TIN.

Code .....	Kuhglot
Per dozen.....	\$0.83
Weight per doz., lbs.....	3/4

One dozen in a box.

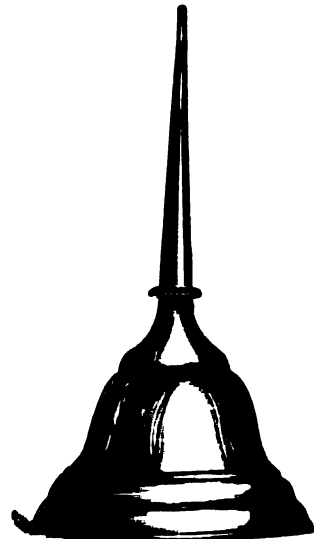


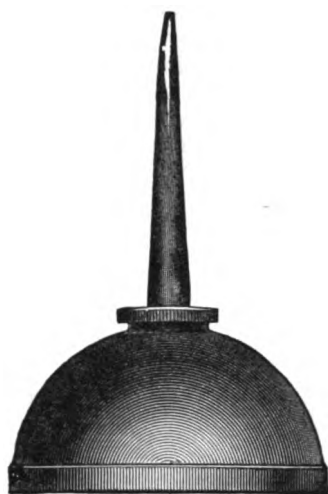
**CHACE'S TIN OILERS.**

SPRING BRASS BOTTOMS.

Code .....	Kuhlans	Kuhmelk	Kuhpock	Kuhschwar
Numbers .....	1	2	3	4
Capacity .....	3/4 gill	1 3/4 gills	1/2 pt.	3/4 pt.
Diameter, inches .....	2 5/8	3 1/4	3 3/4	4 1/8
Per dozen.....	\$1.75	2.50	3.00	3.50
Weight per doz., lbs.	1 1/4	2	2 3/4	3 1/4

No. 1, one dozen in a box.  
Nos. 2 to 4, one-half dozen in a box.



**DRAPER'S OILERS.**

STEEL. COPPERED.

Code .....	Kuhstalle	Kuifap
Numbers.....	<b>12</b>	<b>18</b>
Diameter, inches .....	2¼	3¾
Length of spouts, inches .....	2½	3
Per dozen.....	\$4.50	5.50
Weight per doz., lbs.....	2¼	2¾

One dozen in a box.

**CHACE'S OILER SPOUTS.**

Straight Tin for Zinc Oilers.

Code.....	Kuifduke	Kuifmene
Length, inches.....	<b>4</b>	<b>5</b>
Fits oilers numbers.....	1 to 3	4 to 6
Per dozen.....	\$1.00	1.00

Straight Brass.

Code .....	Kuikend	Kuilacht	Kuipert	Kuiptane	Kuischen
Length, inches.....	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>9</b>
Fits oilers numbers.....	1 to 3	4 to 6	4 to 6	1 to 3	4 to 6
Per dozen .....	\$2.00	2.00	2.00	2.50	2.50

Bent Brass.

Code.....	Kuitader	Kuitbar	Kuitbote
Length, inches.....	<b>8</b>	<b>9</b>	<b>9</b>
Fits oilers numbers.....	1 to 3	1 to 3	4 to 6
Per dozen.....	\$2.75	3.00	3.00

**CHACE'S OIL FILLERS.**

ZINC.

Code.....	Kuitkram	Kuitspur
Pints.....	<b>1</b>	<b>2</b>
Diameter, inches.....	4¼	6½
Height, inches.....	3¾	4¾
Per dozen.....	\$4.00	6.00
Weight per doz., lbs.....	5	8

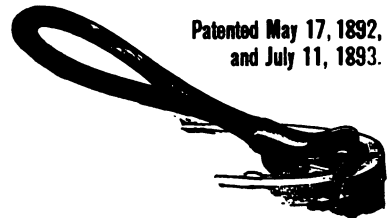
One-half dozen in a box.

## **"NEVER-SLIP" CAN OPENERS.**

NICKEL-PLATED. CUT OUT THE TOP, OR CUT OFF THE TOP OF A CAN.

Code.....	Kulbarz
Length, inches.....	5 $\frac{3}{4}$
Per dozen.....	\$1.15
Weight per doz., lbs.....	2 $\frac{1}{4}$

One dozen in a display box.



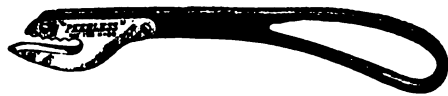
Patented May 17, 1892,  
and July 11, 1893.

## **"PEERLESS" CAN OPENERS.**

CUTLERY STEEL BLADES, NICKEL-PLATED. JAPANNED HANDLES. FOR ROUND AND SQUARE CANS.

Code.....	Kulihand
Length, inches.....	6 $\frac{1}{4}$
Per dozen.....	\$1.05
Weight per doz., lbs.....	2

One dozen in a display box.



## **NEW "SPRAGUE'S" CAN OPENERS.**

WHITE NICKEL FINISHED STEEL BLADES. JAPANNED HANDLES.

Code.....	Kulpint
Number.....	1
Length, inches.....	6 $\frac{1}{4}$
Per dozen.....	\$0.75
Weight per doz., lbs.....	1 $\frac{1}{2}$

One dozen in a box.



## **NEW "SPRAGUE'S" CAN OPENERS.**

WOOD HANDLES. STEEL BLADES.

Code.....	Kultimis
Number.....	2
Length, inches.....	6 $\frac{1}{4}$
Per dozen.....	\$0.90
Weight per doz., lbs.....	1 $\frac{3}{4}$

One dozen in a box.



## **"WOOD'S" CAN OPENERS.**

ONE KNIFE FOR ROUND CANS. ONE KNIFE FOR SQUARE CANS. HOT-WATER-PROOF CHERRY ENAMELED HANDLES.

Cutters are made from finely tempered Cutlery Steel (Blued). The Shank is Drop Forged Cold Rolled Steel, finely nickel-plated and burnished.

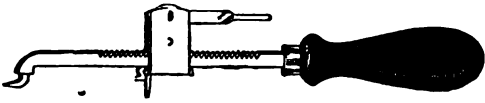
Code.....	Kulturla
Number.....	100
Length, inches.....	9 $\frac{3}{4}$
Per dozen.....	\$2.25
Weight per doz., lbs.....	3 $\frac{1}{4}$

One dozen in a display box.



**PERFECT CAN OPENERS.**

TEMPERED TOOL STEEL. BLACK ENAMELED WOOD HANDLES.



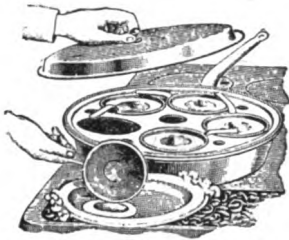
Adjustable to cut any size or shape can. Cut either top or side of can. Leaves no jagged edges. Simple to operate. Cannot break. Require no sharpening.

Code.....	Kulturmost
Length, inches.....	9
Per dozen.....	\$3.00
Weight per doz., lbs.....	3½

One dozen in a display box.

**BUFFALO STEAM EGG****POACHERS.**

PLAIN TIN. WITH ONE SET OF FIVE SHALLOW CUPS FOR EGGS OR OYSTERS.



Code.....	Kultuse
Number.....	1
Per dozen .....	\$9.00
Weight per doz., lbs.....	14
Shipping measure per case, cubic feet.....	.....

One dozen in a case.

**BUFFALO STEAM EGG****POACHERS.**

PLAIN TIN. WITH TWO SETS OF CUPS. SHALLOW FOR EGGS, ETC. DEEP FOR CUSTARDS, PUDDINGS, ETC.



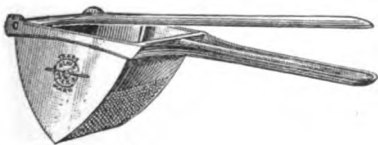
Code.....	Kumbake
Number.....	8
Per dozen.....	\$12.00
Weight per doz., lbs.....	23
Shipping measure per case, cubic feet.....	.....

One dozen in a case.

**HENIS PRESSES.**

MALLEABLE IRON FRAME. RETINNED.

It Peels and Mashs with One Stroke.



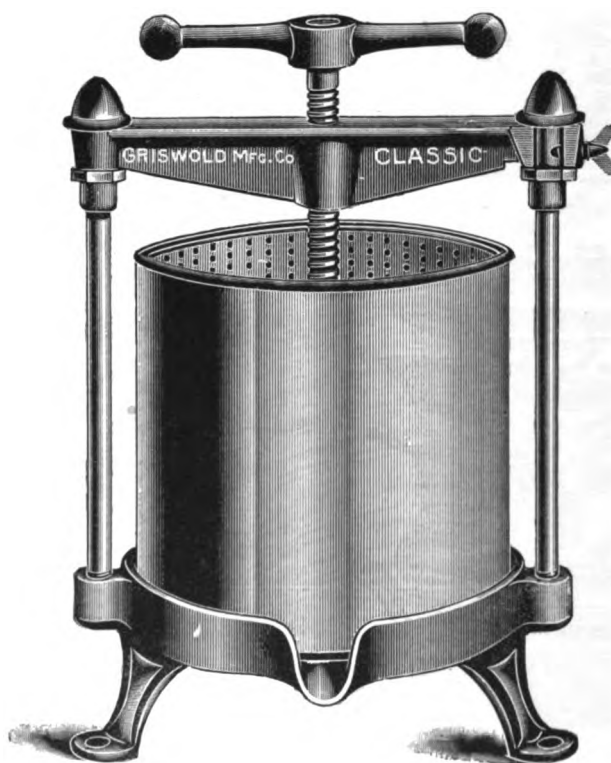
Code.....	Kumiss
Inches .....	10
Weight per doz., lbs .....	13
Per dozen.....	\$4.50
Weight per case, lbs.....	55
Shipping measure per case, cubic feet.....	2½

Three dozen in a case.

**ELDRIDGE PRESSES.**

RETINNED.

Code.....	Kundare
Inches.....	9 $\frac{3}{4}$
Weight per doz., lbs.....	12
Per dozen.....	\$3.75
Weight per case, lbs.....	45
Shipping measure per case, cubic feet.....	2
Three dozen in a case.	

**"CLASSIC" FRUIT AND LARD PRESSES.**

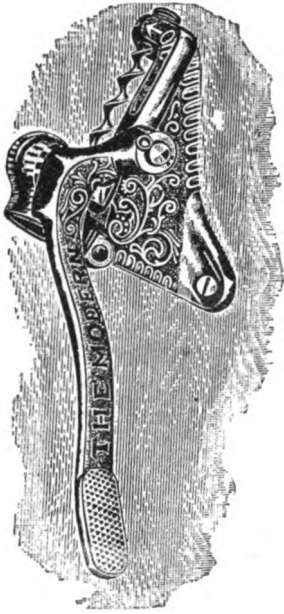
TINNED ALL OVER. HEAVY AND STRONG. STEEL FRAME. TIN CYLINDERS.

The Best Press Made For Jellies, Fruit, Wines, Lard, Cheese, Etc.

Code.....	Kundig	Kundmak.
Numbers.....	1	2
Capacity, quarts.....	2	4
Diameter of cylinder, inches.....	5 $\frac{1}{4}$	10
Each.....	\$3.00	6.00
Weight each, lbs.....	9	23

No. 1, six in a case. No. 2, four in a case.



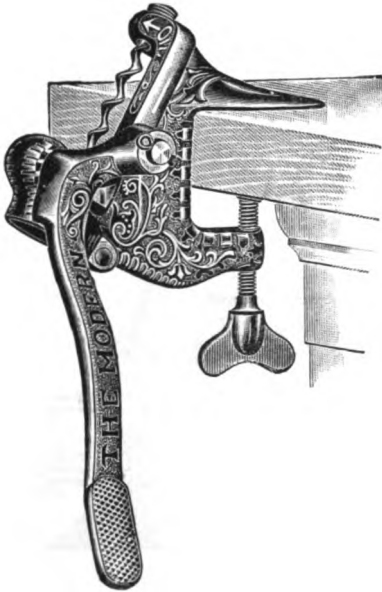


### "MODERN" CORK PULLERS.

AUTOMATIC. ENGRAVED AND NICKEL-PLATED. FOR HOUSEHOLD USE.

It can be Attached to any Upright Surface, such as an Ice Box, Door Frame or Wall, and it is Always Ready for Use.

Code.....	Kunibore
Number.....	2
Weight each, lbs.....	4
Each.....	\$2.25
Weight per case, lbs.....	47
Shipping measure per case, cubic feet.....	1 $\frac{3}{4}$
One in a box. Twelve in a case.	



### "MODERN" CORK PULLERS.

AUTOMATIC. ENGRAVED AND NICKEL-PLATED. FOR SALOONS, RESTAURANTS, SODA FOUNTAINS, ETC.

This machine is Clamped by a Thumb Screw to a Bar, Counter or Shelf. A Cork can be drawn part way only when desired.

Code.....	Kunkeld
Number.....	1
Weight each, lbs.....	3
Each.....	\$2.70
Weight per case, lbs.....	32
Shipping measure per case, cubic feet.....	1 $\frac{3}{4}$
One in a box. Six in a case.	



### RUBBER FRUIT JAR RINGS.

FINE QUALITY. FOR MASON FRUIT JARS.

Code.....	Kunstal	Kunstard
Style.....	White	Black
Flange, inch.....	$\frac{1}{4}$	$\frac{1}{4}$
Number, to the inch.....	20	20
Number, to the pound.....	108	108
Per pound.....	\$0.70	.68
Shipping measure per case, cubic feet...	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Twenty-five pounds in a case.		

## "HENO" FRUIT JAR RINGS.

FOR SCREW TOP MASON FRUIT JARS. SELF-SEALING.

They are cardboard rings, coated with a special wax composition made to melt from the heat of the hot fruit put in jar.

Code .....	Kunstbole
Flange, inch .....	$\frac{3}{16}$
Per gross .....	\$0.75
Weight per gross, lbs.....	1 $\frac{1}{2}$
Weight per case, lbs.....	12
Shipping measure per case, cubic feet.....	$\frac{3}{4}$

Five gross in a case.



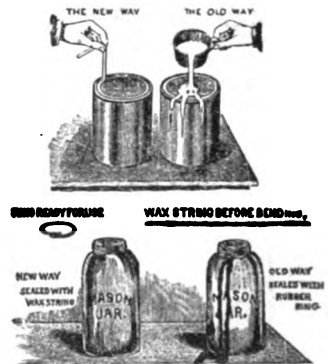
## SEALING WAX STRINGS.

FOR FRUIT CANS AND MASON, GEM, LIGHTNING AND ALL SELF-SEALING JARS.

They are cotton cords, coated with a special wax composition made to melt from the heat of the hot fruit put in jars or cans.

Code.....	Kunstef	Kunstgrim
Length, inches.....	12	14
For cans, quarts.....	1	2
Per thousand .....	\$2.85	3.40
Weight per thousand packed, lbs.....	10	11
Shipping measure per thousand, cu. ft..	$\frac{1}{3}$	$\frac{5}{12}$

One hundred in a carton; one thousand in a case;  
five cases in a crate.



## GOLD MEDAL FRUIT WAX.

N ONE POUND BARS.

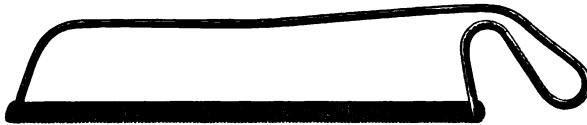
Code .....	Kunstpoke
Per pound.....	\$0.70
Shipping measure per case, cubic feet.....	$\frac{1}{4}$

Twenty-five pounds in a case.



**"CHRISTY" KITCHEN SAWS.**

SOLID SPRING STEEL FRAME, NICKEL-PLATED. GENUINE BUTCHER WEB BLADE.

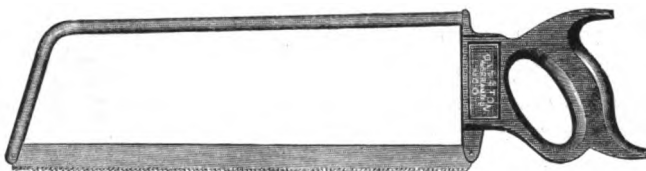


Code .....	Kunstrade
Length, inches .....	<b>17</b>
Length of blade, inches.....	<b>14</b>
Per dozen.....	<b>\$2.45</b>
Weight per doz., lbs.....	<b>6</b>

One dozen in a box.

**DISSTON KITCHEN SAWS.**

OVAL STEEL BACK. BRIGHT BLADE.

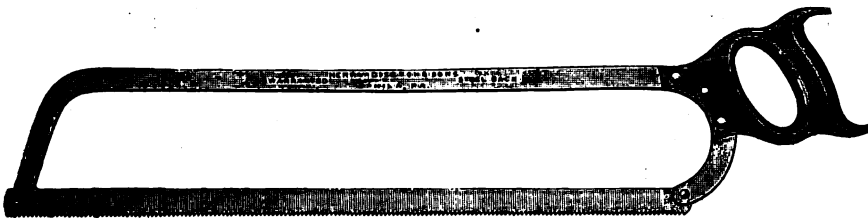
**Number 0.**

Code.....	Kunstsack
Length, inches.....	<b>14</b>
Per dozen .....	<b>\$5.35</b>
Weight per doz., lbs.....	<b>12</b>

One-half dozen in a box.

**DISSTON BUTCHER SAWS.**

FLAT STEEL BACKS. BRIGHT BLADES, 1 INCH WIDE.

**Number 2.**

Code .....	Kupferad	Kupfermal	Kuppmest	Kupstack
Length, inches .....	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>
Per dozen.....	<b>\$13.75</b>	<b>14.50</b>	<b>15.25</b>	<b>16.00</b>
Weight per doz., lbs.....	<b>26</b>	<b>33</b>	<b>36</b>	<b>41</b>

One-third dozen in a box.

**DISSTON BUTCHER SAWS.**CALIFORNIA FLAT STEEL BACKS. CLOCK SPRING BLUED BLADES.  $\frac{3}{4}$ -INCH WIDE. 13 POINTS.**Number 5.**

Code .....	Kurantz	Kurdent	Kurfew	Kurgate	Kurgenot
Length, inches .....	18	20	22	24	26
Per dozen.....	\$22.00	23.00	24.00	25.00	26.00
Weight per doz., lbs.....	34	35	36	39	41

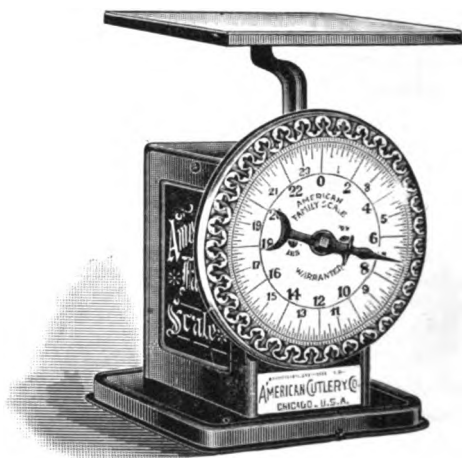
One-third dozen in a box.

**AMERICAN FAMILY SCALES.**

MADE OF STEEL WITH STEEL TOPS AND WHITE  
ENAMELED DIALS. BLACK ENAMELED AND ORNA-  
MENTED. WEIGH 24 POUNDS BY OUNCES.  
THEY HAVE A BRASS SCREW FOR  
REGULATING.

Code.....	Kurials
Number.....	500
Each.....	\$1.50
Weight each, lbs.....	6
Shipping measure each, cubic feet.....	$\frac{5}{12}$

Every Scale Warranted Correct.

**AMERICAN FAMILY SCALES.**

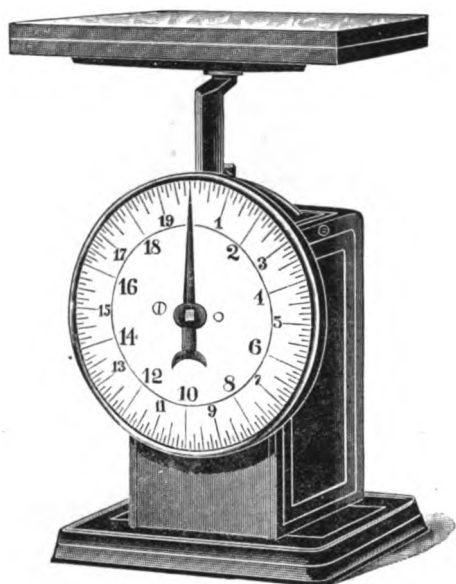
MADE OF STEEL WITH TIN SCOOP TOPS AND WHITE  
ENAMELED DIALS. BLACK ENAMELED AND ORNA-  
MENTED. WEIGH 24 POUNDS BY OUNCES.  
THEY HAVE A BRASS SCREW FOR  
REGULATING.

Code.....	Kurkent
Number.....	700
Each .....	\$1.65
Weight each, lbs.....	$6\frac{1}{2}$
Shipping measure each, cubic feet.....	$\frac{7}{12}$

One in a box.

Every Scale Warranted Correct.





### FAMILY SCALES.

MADE OF STEEL WITH WHITE TILE TOPS AND BRASS DIALS. BEAUTIFULLY ENAMELED AND ORNAMENTED. WEIGH 20 POUNDS BY OUNCES.

HAVE A BRASS SCREW FOR REGULATING.

Code.....	Kurkume
Number.....	<b>100</b>
Each.....	<b>\$1.90</b>
Weight each, lbs.....	7 <sup>1</sup> / <sub>4</sub>
Shipping measure each, cubic feet.....	<sup>5</sup> / <sub>12</sub>

One in a box.

Every Scale Warranted Correct.



### FAMILY SCALES.

MADE OF STEEL WITH BRASS SCOOP TOPS AND BRASS DIALS. BEAUTIFULLY ENAMELED AND ORNAMENTED. WEIGH 20 POUNDS BY

OUNCES. HAVE A BRASS SCREW FOR REGULATING.

Code.....	Kurmiss
Number.....	<b>800</b>
Each.....	<b>\$2.40</b>
Weight each, lbs.....	7
Shipping measure each, cubic feet.....	<sup>1</sup> / <sub>2</sub>

One in a box.

Every Scale Warranted Correct.

## ENTERPRISE RAISIN SEEDERS.

TINNED.

Adjustable for different sizes and qualities of raisins.

Code.....	Kursorist	Kurswork
Numbers.....	<b>36</b>	<b>38</b>
Seeding capacity per minute, lbs.....	$\frac{1}{2}$	1
Per dozen .....	\$12.00	30.00
Weight per doz., lbs.....	33	67

No. 36, family size; No. 38, hotel size.  
No. 36, two dozen; No. 38, one dozen in a case.

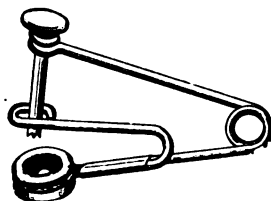


## ROYAL CHERRY STONERS.

SPRING STEEL WIRE. NICKEL-PLATED.

Code .....	Kursyank
Per dozen.....	<b>\$3.00</b>
Weight per doz., lbs.....	1½

One dozen in a box.



## WOOD HOOP FLOUR SIEVES.

TINNED WIRE.

In nests of three. 10, 11 and 12 inches diameter.  
3½, 4 and 4¾ inches deep.

Code.....	Kurszette	Kurtagel
Mesh .....	<b>18</b>	<b>24</b>
Per dozen .....	\$2.40	3.50
Weight per doz., lbs.....	4½	4½
Weight per crate, lbs.....	14	14
Shipping measure per crate, cubic feet...	2½½	2½½

Eight nests, or two dozen, in a crate.



## WOOD HOOP SIEVES.

BRASS WIRE.

Heavy. For Bakers, Hotels, Restaurants, etc.

Code.....	Kurult	Kurzahr	Kurzarme	Kurzbein
Diameter, inches.....	<b>16</b>	<b>18</b>	<b>16</b>	<b>18</b>
Mesh per inch.....	16	16	18	18
Per dozen .....	\$18.00	20.00	18.00	20.00
Weight per doz., lbs...	30	28	30	28

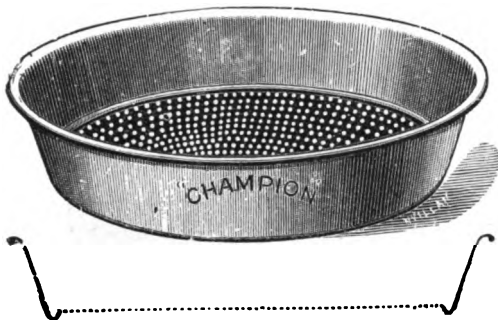
Loose.



## CHAMPION FLOUR SIEVES.

TIN. PERFORATED BOTTOMS.

Made in one piece.

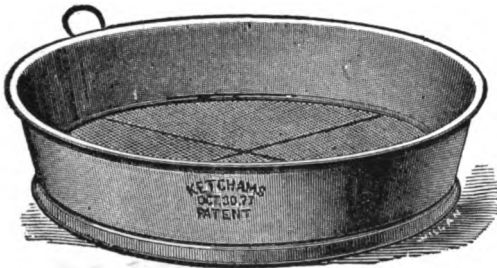


Code .....	Kurzdorn	Kurzhars
Sizes .....	Small	Large
Diameter, inches .....	9¼	11¾
Per dozen.....	\$1.35	1.80
Weight per doz., lbs.....	3	6

One dozen in a case.

## "KETCHAM'S" FLOUR SIEVES.

PLATED WIRE. 12¾-INCH DIAMETER



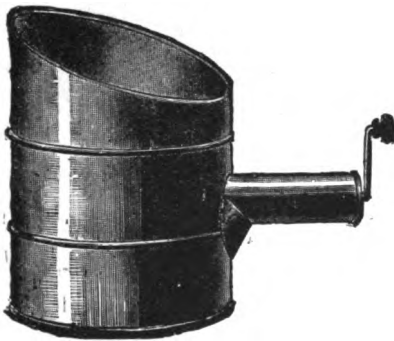
Code .....	Kurzkope	Kurzleib	Kurznail	Kushande
Number mesh.....	16	18	20	24
Weight per doz., lbs...	5	5	5	5
Per dozen.....	\$2.25	2.25	2.50	2.70
Weight per case, lbs...	10	11	11	11
Ship. measure per case, cu. ft.	1½	1½	1½	1½

One dozen in a case.

## MENLO FLOUR SIFTERS.

TIN. NICKEL-PLATED AND POLISHED.

HEAVY AND STRONG.



Code.....	Kussebar
Capacity, quart .....	1
Weight per doz., lbs.....	9
Per dozen .....	\$3.40
Weight per case, lbs.....	16
Shipping measure per case, cubic feet .....	1½

One dozen in a case.

## "HUNTER" FLOUR SIFTERS.

GENUINE HUNTER. TIN.



Code .....	Kussentes	Kussmart
Numbers .....	1	2
Capacity, quarts.....	1	2
Weight per doz., lbs.....	7	20
Per dozen.....	\$2.05	3.00
Weight per case, lbs.....	13	.....
Shipping measure per case, cubic feet...	1½	.....

One dozen in a case.

**NO NAME FLOUR SIFTERS.**

HUNTER PATTERN. TIN. SILVER LUSTER FINISH.

Code.....	Kustlander
Capacity, quart.....	1
Weight per doz., lbs.....	7
Per dozen.....	\$1.65
Weight per case, lbs.....	13
Shipping measure per case, cubic feet.....	1½
One dozen in a case.	

**STANDARD FLOUR SIFTERS.**

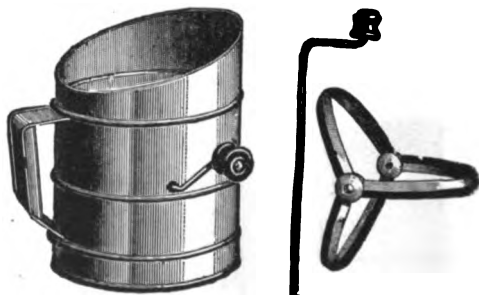
VICTOR PATTERN. TIN. SILVER LUSTER FINISH.

Code.....	Kustodan
Capacity, quart.....	1
Weight per doz., lbs.....	7
Per dozen.....	\$1.90
Weight per case, lbs.....	12
Shipping measure per case, cubic foot.....	1
One dozen in a case.	

**VICTOR FLOUR SIFTERS.**

GENUINE VICTOR. TIN.

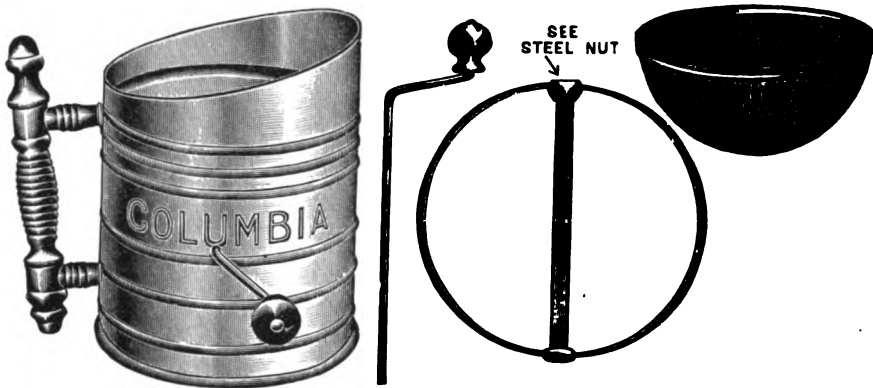
Code.....	Laback
Capacity, quarts.....	1
Weight per doz., lbs.....	6
Per dozen.....	\$2.05
Weight per case, lbs.....	11
Shipping measure per case, cubic feet.....	1¼
One dozen in a case.	





# **COLUMBIA FLOUR SIFTERS.**

VICTOR PATTERN. TIN. SILVER LUSTER FINISH. BLACK ENAMELED HANDLES.

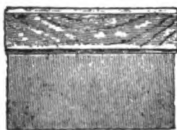


Code .....	Labadist
Capacity, quarts.....	1
Weight per doz., lbs.....	10
Per dozen.....	\$4.15
Weight per case, lbs.....	15
Shipping measure per case, cubic feet.....	1 1/2

One dozen in a case.

# **DOUGH SCRAPERS.**

WOOD HANDLES. STEEL BLADES.

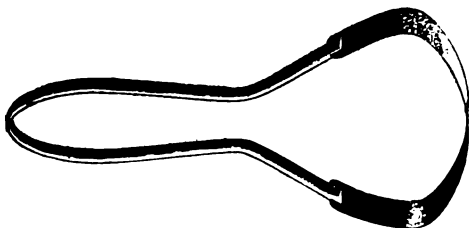


Code.....	Labantib	Labardate
Sizes.....	Small	Large
Length, inches.....	4	6
Per dozen.....	\$4.80	4.80
Weight per doz., lbs.....	.....	.....

One-half dozen in a package.

# **FLEXIBLE KETTLE SCRAPERS.**

POLISHED STEEL.



Code.....	Labascend
Length, inches .....	6 3/4
Per dozen.....	\$1.50
Weight per doz., lbs.....	2 1/2

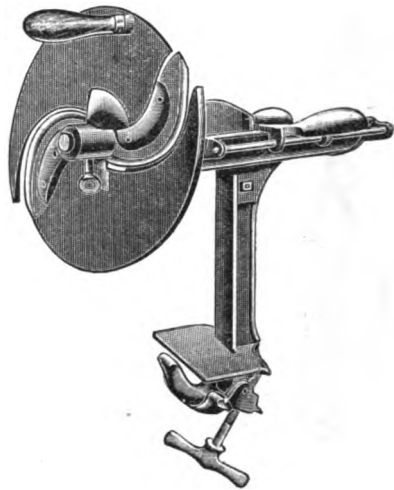
One dozen in a package.

## STERLING SLICERS.

BLACK ENAMELED FRAME. POLISHED STEEL PLATE  
AND BLADES.

The Knife Protected so your Fingers are not in Danger. For all Kinds of Fruit and Vegetables, Cutting them as Desired, From  $\frac{1}{16}$  up to  $\frac{1}{2}$ -inch Thick, Every Slice Being Even. Will Also Cut Strips and Squares.

Code.....	Labbiate
Per dozen.....	\$24.00
Weight per doz., lbs.....	95
One-half dozen in a case.	

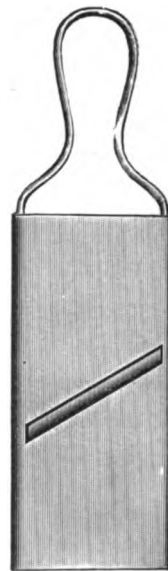


## SARATOGA SLICERS.

ONE PIECE HARD SOLID SHEET STEEL. REVERSIBLE  
HANDLES. DOUBLE CUT.

For All Kinds of Fruit and Vegetables.

Code.....	Labbroga
Number.....	1
Length, inches.....	11
Width, inches.....	3 $\frac{1}{4}$
Per dozen.....	\$1.50
Weight per doz., lbs.....	3
One dozen in a package.	

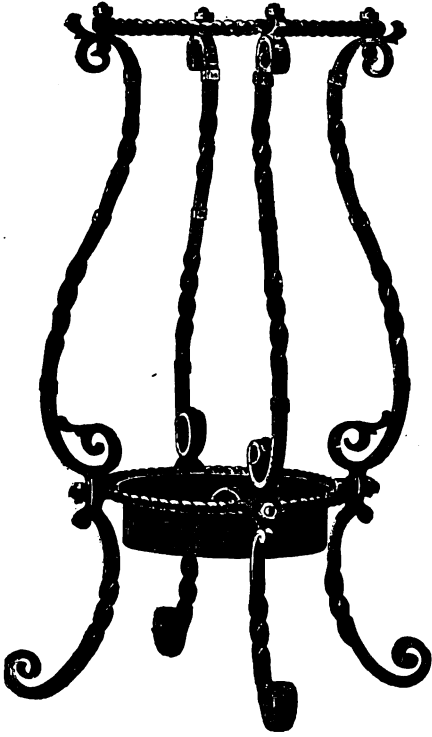


## VOGEL VEGETABLE SLICERS.

ONE PIECE OF STEEL ON STEEL WIRE FRAME.

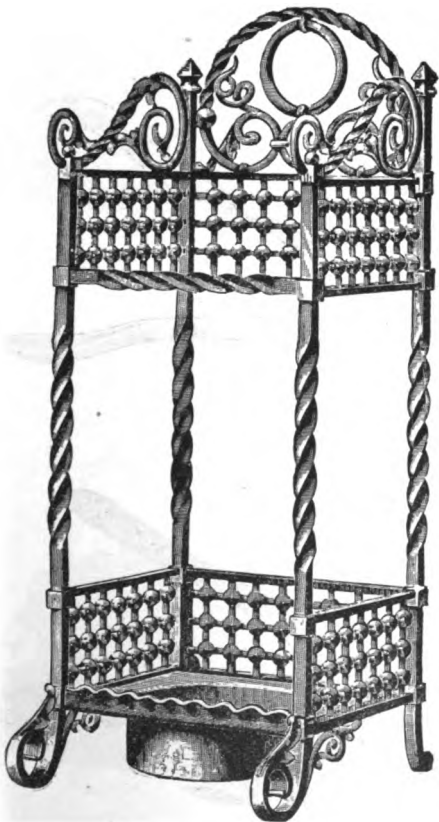
Code.....	Labeatum
Length, inches.....	10 $\frac{1}{4}$
Width, inches.....	4
Per dozen.....	\$0.60
Weight per doz., lbs.....	3
One dozen in a package.	



**UMBRELLA STANDS.**

WROUGHT IRON FINISH.

Code.....	Label.....
Number.....	<b>3021</b>
Height, inches.....	<b>22</b>
Each.....	<b>\$3.75</b>
Weight each, lbs.....	.....

**UMBRELLA STANDS.**

WROUGHT IRON FINISH.

Code.....	Label.....
Number.....	<b>3019</b>
Height, inches.....	<b>24</b>
Each.....	<b>\$6.00</b>
Weight each, lbs.....	<b>16½</b>

## MANNY'S LEMON JUICE EXTRACTORS.

CLEAR GLASS.

Code.....	Labendo	Labeosor
Number.....	<b>1</b>	<b>2</b>
Diameter, inches.....	4	5½
Per dozen.....	\$0.85	1.65
Weight per doz., lbs.....	4½	10½

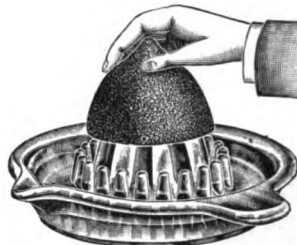
No. 1, one-third dozen; No. 2, one-half dozen in a box.

No. 1 fits over any ordinary cup or tumbler.

No. 2 has a saucer that catches the juice.



No. 1.



No. 2.

## LEMON SQUEEZERS.

MALLEABLE TINNED.

Code.....	Labeschon
Number.....	<b>294</b>
Length, inches.....	7¾
Per dozen.....	\$1.50
Weight per doz., lbs.....	4

One dozen in a box.

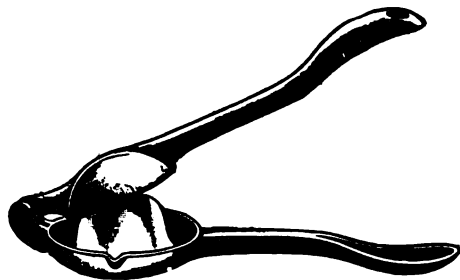


## "BOSS" LEMON SQUEEZERS.

IRON TINNED ALL OVER.

Code.....	Labicano
Number.....	<b>5</b>
Length, inches.....	9¼
Per dozen.....	\$2.50
Weight per doz., lbs.....	12

One dozen in a box.



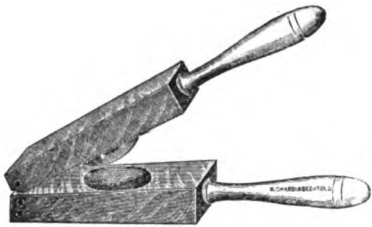
## "CLASSIC" LEMON SQUEEZERS.

IRON JAPANNED FRAMES. CAST ALUMINUM BOWLS  
TO HOLD JUICE WHEN SQUEEZING.

Code.....	Labidomo
Number.....	<b>20</b>
Length, inches.....	9¾
Per dozen.....	\$4.50
Weight per doz., lbs.....	8

One-half dozen in a box.





## LEMON SQUEEZERS.

POLISHED MAPLE. ALL WOOD.

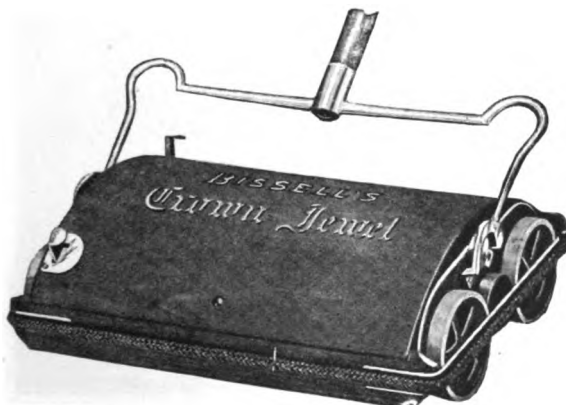
Code .....	Lablatus
Number .....	1
Length, inches.....	10½
Per dozen.....	\$1.50
Weight per doz., lbs.....	11
One dozen in a wooden box.	



## "GRAND RAPIDS" CARPET SWEEPERS.

JAPANNED TRIMMINGS, "CYCQ" BEARINGS, DUST-  
PROOF AXLE TUBES, ANTI-RAVELING  
COLLECTOR, ETC.

Code.....	Laborably
Length of brush, inches.....	11¼
Weight per doz., lbs.....	72
Per dozen.....	\$36.00
Weight per case, lbs.....	97
Shipping measure per case, cubic feet.....	6¼
One dozen in a case.	



## "CROWN JEWEL" CARPET SWEEPERS.

JAPANNED TRIMMINGS, SELF-ADJUSTING BRUSH  
REVERSIBLE BAIL SPRINGS, AUTOMATIC  
DUMP, ETC.

Code.....	Laborator
Length of brush, inches.....	11¼
Weight per doz., lbs.....	66
Per dozen.....	\$30.00
Weight per case, lbs.....	93
Shipping measure per case, cubic feet.....	6¼
One dozen in a case.	

# **OUT O'SIGHT GOPHER TRAPS.**

Code.....	Labormus
Length, inches.....	7
Per dozen.....	\$2.25
Weight per doz., lbs.....	5
One dozen in a box.	



# **OUT O'SIGHT MOLE TRAPS.**

MALLEABLE IRON. JAPANNED GREEN.

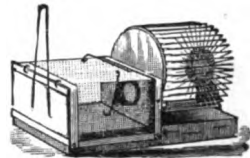
Code.....	Laboulait
Width, inches.....	8
Per dozen.....	\$9.00
Weight per doz., lbs.....	23
One-twelfth dozen in a box.	



# **WHEEL MOUSE TRAPS.**

WOOD BOTTOMS. RETINNED STEEL WIRE  
WHEEL AND HOUSE.

Code.....	Labourly
Inches.....	7x8 1/4
Per dozen.....	\$2.25
Weight per doz., lbs.....	5 1/2
One-half dozen in a package.	



# **BONANZA MOUSE TRAPS.**

SELF-SETTING. WOOD BOX. JAPANNED TIN SIDES.

Code.....	Labrand
Inches.....	6x5
Per dozen.....	\$1.65
Weight per doz., lbs.....	6
One dozen in a package.	

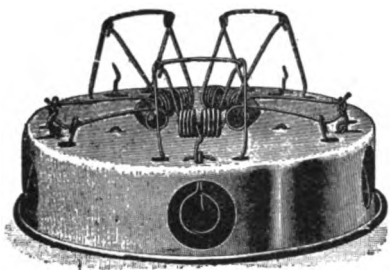


# **WOOD CHOKER MOUSE TRAPS.**

EASY SETTING.

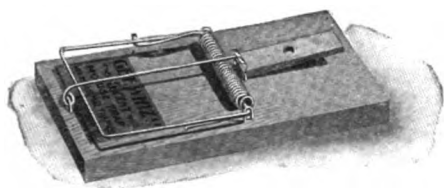
Code.....	Labradores	Labundor	Laburnite
Numbers.....	4	5	6
Number of holes.....	4	5	6
Diameter, inches.....	4 3/4	5	6 1/2
Per dozen.....	\$0.75	.93	1.15
Weight per doz., lbs.....	1 1/2	1 3/4	2
One dozen in a package.			



**TIN CHOKER MOUSE TRAPS.**

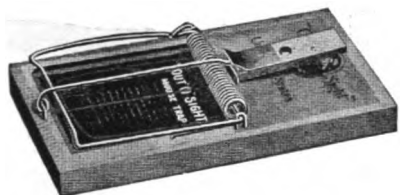
STAMPED TIN.

Code.....	Lacelline
Number.....	5
Number of holes.....	5
Diameter, inches.....	4½
Per dozen.....	\$1.05
Weight per doz., lbs.....	1¾
One dozen in a package.	

**"CEE WHIZ" MOUSE TRAPS.**

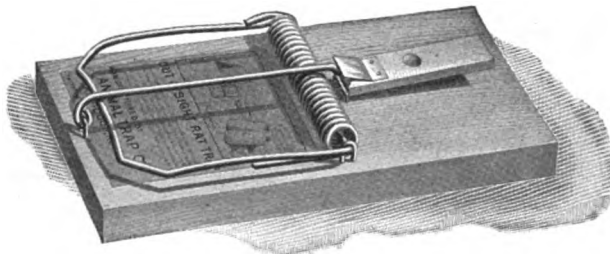
OUT O SIGHT PATTERN.

Code.....	Lacerated
Inches.....	4x1½
Per dozen.....	\$0.55
Weight per doz., lbs.....	1
One dozen in a box.	

**OUT O' SIGHT MOUSE TRAPS.**

GENUINE.

Code.....	Lacherite
Inches.....	4x1½
Per dozen.....	\$0.90
Weight per doz., lbs.....	1
One dozen in a box.	

**OUT O' SIGHT RAT TRAPS.**

HARDWOOD BASES. SINGLE HEAVY WIRE SPRINGS.

Code.....	Lachmusk
Inches.....	7¼x8¾
Per dozen.....	\$1.90
Weight per doz., lbs.....	5¾
One dozen in a package.	

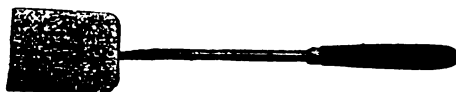
**STEEL CAKE TURNERS.**

STEEL BLADES. STEEL SHANKS. FORGED. BLACK

ENAMELED HANDLES. PLATED FERRULES.

Code.....	Lachsart
Number.....	9
Length, inches.....	13¾
Blade, inches.....	3½ x 4
Per dozen.....	\$1.25
Weight per doz., lbs.....	2½

Two dozen in a box.

**STEEL CAKE TURNERS.**

STEEL BLADES. STEEL SHANKS. FORGED. POLISHED

BLADES. POLISHED EBONIZED HANDLES.

NICKEL-PLATED FERRULES.

Code.....	Lacister
Number.....	12
Length, inches.....	15
Blade, inches.....	3¾ x 4½
Per dozen.....	\$1.46
Weight per doz., lbs.....	3

One dozen in a box.

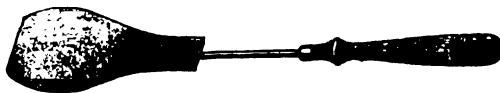
**STEEL CAKE TURNERS.**

POLISHED SPRING STEEL BLADES. ROSEWOOD

HANDLES. NICKEL-PLATED FERRULES.

Code.....	Lackaday
Number.....	14
Blade, inches.....	4¾ x 7¼
Per dozen.....	\$2.50
Weight per doz., lbs.....	4¼

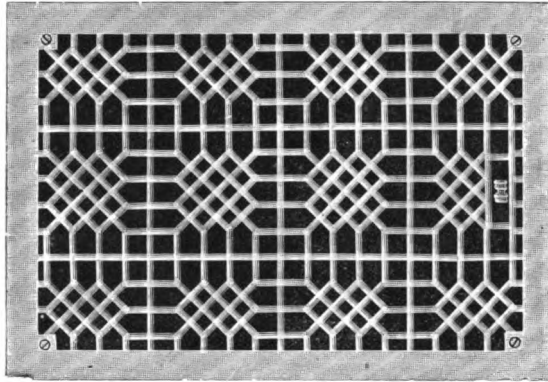
One dozen in a box.





**REGISTERS.**

GLIDE MOVEMENT. INDIAN LATTICE DESIGN. JAPPANED BLACK.



An advantage peculiar to the Glide Movement is that by unscrewing the face the Valves can be removed and replaced easily, and the flue reached without taking the Register Box from the wall.

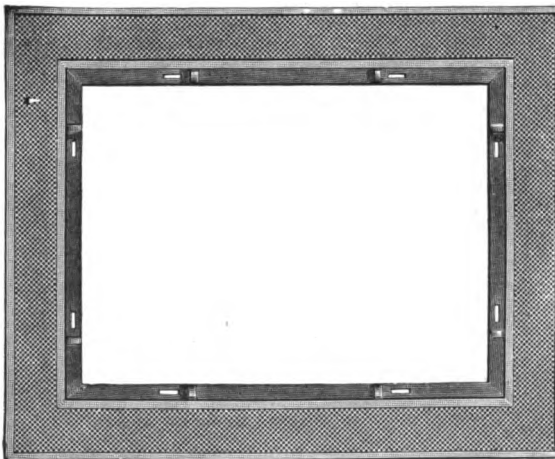
Code.....	Lackfast	Lackseur	Lackstole	Lacomand	Laonic	Lacrabant	Lacrimaba	Lacrimute
Size of openings, inches.....	<b>4x8</b>	<b>4x10</b>	<b>6x8</b>	<b>6x10</b>	<b>8x8</b>	<b>8x10</b>	<b>8x12</b>	<b>9x12</b>
Each.....	\$1.50	1.55	1.55	1.60	1.60	1.65	1.90	2.10
Weight each, lbs.....	3	4	4½	5	6	7½	8½	10

Code.....	Lactamine	Lactanti	Lactary	Lactebite	Lactiford	Lactometer	Laculatis
Size of openings, inches.....	<b>9x14</b>	<b>10x12</b>	<b>10x14</b>	<b>10x16</b>	<b>12x15</b>	<b>14x18</b>	<b>16x20</b>
Each.....	\$3.10	2.40	3.15	4.85	4.50	9.00	12.25
Weight each, lbs.....	12	11½	14	15	18	26	38

Loose.

**REGISTER BORDERS.**

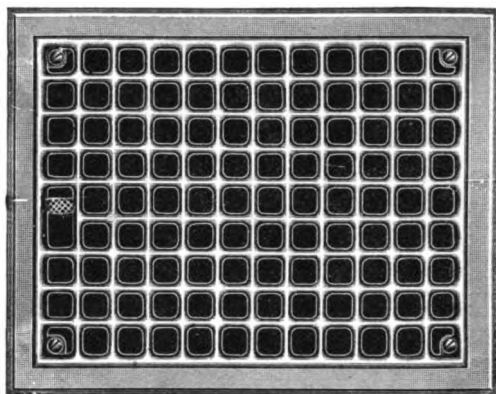
FOR FLOOR.



Code.....	Lacunardo	Ladanife	Laddovent	Ladebute	Ladenale	Ladillum	Ladinity
Size of openings, inches.....	<b>6x8</b>	<b>6x10</b>	<b>8x8</b>	<b>8x10</b>	<b>8x12</b>	<b>9x12</b>	<b>9x14</b>
Each.....	\$1.00	1.05	1.00	1.05	1.15	1.30	1.95
Weight each, lbs.....	3½	5	5	5	6	7	8

Code.....	Ladocean	Ladrasem	Ladrille	Ladroner	Laerment	Laertias
Size of openings, inches.....	<b>10x12</b>	<b>10x14</b>	<b>10x16</b>	<b>12x15</b>	<b>14x18</b>	<b>16x20</b>
Each.....	\$1.35	2.00	2.80	2.70	4.25	5.40
Weight each, lbs.....	7	7½	9	9½	13	15

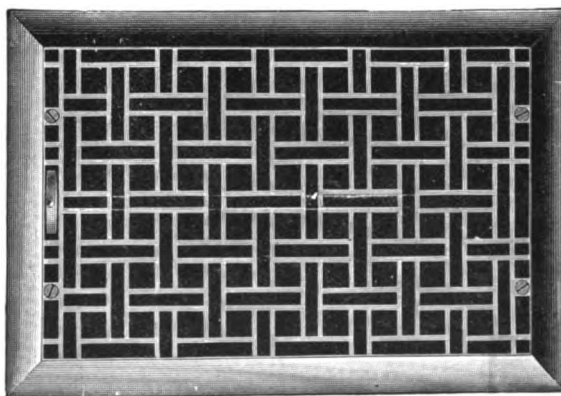
Loose.

**STEEL REGISTERS.**

Code.....	Lafarde	Lafhede	Lagarette	Lagerbist	Lagerhaut	Lagerkost	Laggardly
Size of openings, inches.....	6x8	8x10	8x12	9x12	10x12	10x14	12x15
Each.....	\$.....	.....	.....	.....	.....	.....	.....
Weight each, lbs.....	.....	.....	.....	.....	.....	.....	.....

**CONVEX REGISTERS AND VENTILATORS.**

VERTICAL WHEELS. LATTICE DESIGN. JAPANNED BLACK. FOR SIDE WALLS ONLY. FOR SHALLOW FLUES AND THIN PARTITIONS. TOTAL DEPTH WHEN OPEN, 1¼ INCHES.



Code.....	Laghetto	Lagnerest	Lagocefa	Lagofondi	Lagomion	Lagopedal	Lagotcam
Size of openings, inches.....	6x8	6x10	8x10	8x12	8x15	9x12	10x12
Each.....	\$2.20	2.30	2.35	2.70	4.50	3.00	3.75
Weight each, lbs.....	4½	6	7½	8	10½	9	10½

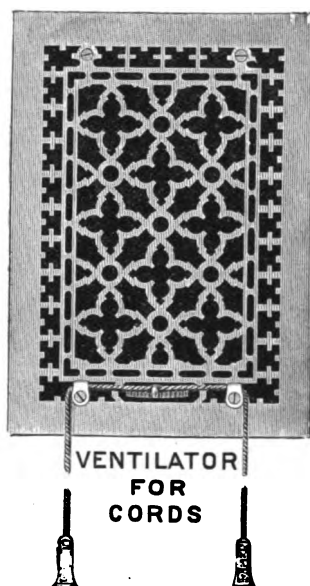
**CONVEX REGISTERS AND VENTILATORS.**

WITH WALL FRAMES, 2 INCHES DEEP, TO WHICH REGISTER IS ATTACHED BY SCREWS.

Code.....	Lagothar	Laharte
Size of openings, inches.....	10x12	10x14
Each.....	\$5.55	7.10
Weight each, lbs.....	13	15

**VERTICAL WHEEL VENTILATORS.**

WITH CORD ATTACHMENTS. PERSIAN DESIGN. JAPPANED WHITE.

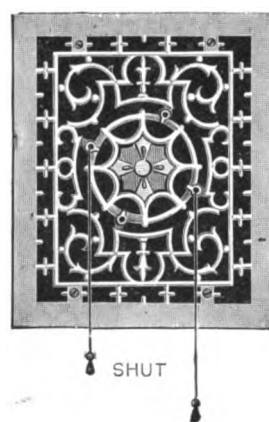
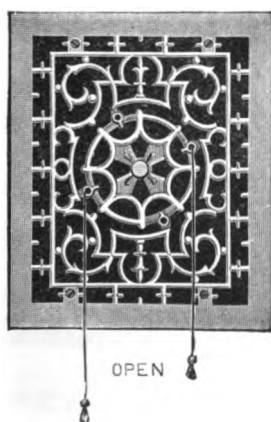


Code.....	Lakacht	Lakensar	Lakeward	Lakiste	Lakonida	Lakritz	Lallabite
Size of openings, inches.....	<b>6x8</b>	<b>6x10</b>	<b>8x8</b>	<b>8x10</b>	<b>8x12</b>	<b>9x14</b>	<b>10x14</b>
Each.....	\$2.35	2.45	2.45	2.50	2.80	4.20	4.30
Weight each, lbs.....	4½	5½	6	8	9	12	14

If without cord attachment, deduct \$0.50 from above list.

**SELF-INDICATING VENTILATORS.**

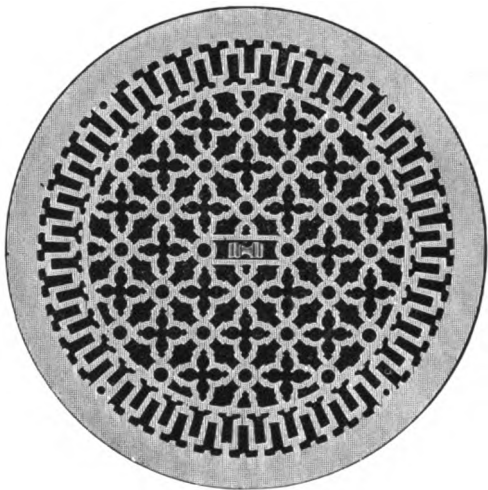
FOR CORDS. BRILLIANT DESIGN. JAPPANED WHITE.



Code.....	Lamachise	Lamartin	Lambator	Lambede	Lamberch	Lambisser	Lambuger
Size of openings, inches.....	<b>6x8</b>	<b>6x10</b>	<b>8x8</b>	<b>8x10</b>	<b>8x12</b>	<b>9x14</b>	<b>10x14</b>
Each.....	\$2.35	2.45	2.45	2.50	2.80	4.20	4.30
Weight each, lbs.....	4½	5½	6	8	9	12	14

ROUND SLIDE CENTER VENTILATORS.

WITH CORD ATTACHMENTS. PERSIAN DESIGN. JAPANNED WHITE.

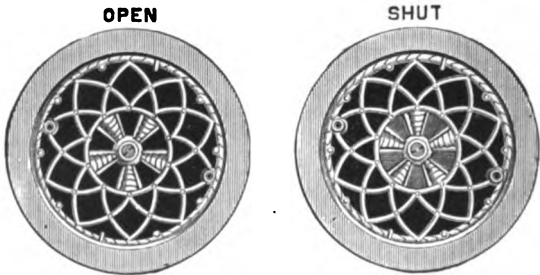


Code.....	Lamellard	Lament	Lamentado	Lamentoso	Lameriam
Diameter of openings, inches.....	6	7	8	10	12
Each.....	\$2.30	2.40	2.45	3.35	5.30
Weight each, lbs.....	2½	3½	5	7½	10

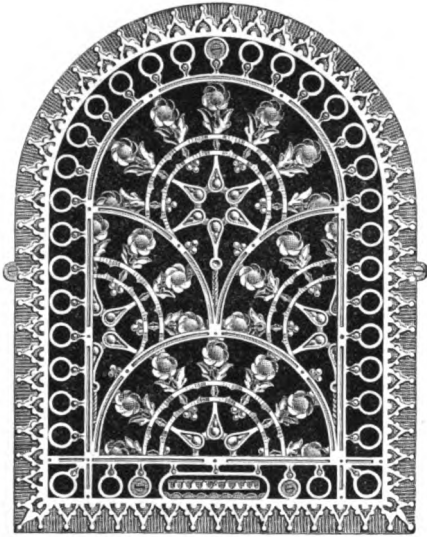
If without cord attachments, deduct \$0.50 from above list.

ROUND SELF-INDICATING VENTILATORS.

FOR CORDS. JAPANNED WHITE.



Code.....	Lamianor	Lamcant
Diameter of openings, inches.....	7	8
Each.....	\$2.40	2.50
Weight each, lbs.....	3½	5



Florentine Design.

**CIRCULAR TOP REGISTERS.**

VERTICAL WHEELS. FLORENTINE DESIGN. JAPANNED

BLACK.

Code.....	Laminates	Lampader
Size of openings, inches.....	<b>9x12</b>	<b>10x14</b>
Each.....	\$2.65	4.10
Weight each, lbs.....	9	13

**CIRCULAR TOP VENTILATORS.**

VERTICAL WHEELS. PERSIAN DESIGN. JAPANNED

WHITE. WITH CORD ATTACHMENTS.

Code.....	Lampradrum
Size of opening, inches.....	<b>10x14</b>
Each.....	\$5.40
Weight each, lbs.....	13

Without cord attachments deduct \$0.50 from above list.

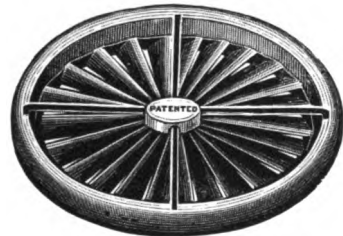
**REVOLVING VENTILATORS.**

BRASS. ADJUSTABLE BEARINGS. FOR WINDOWS.

When motionless this Ventilator has a capacity of 20 cubic feet of air per minute; in a gentle breeze five times that quantity of air passes through the Ventilator.

Code.....	Lampassa
Diameter, inches.....	8½
Each.....	\$4.50
Weight each, lbs.....	14¼

One in a box.

**VENTILATOR PLATES.**

PLAIN CAST IRON. SMOOTH.

Code.....	Lampirist	Lampride	Lampyre
Size, inches.....	<b>6x6</b>	<b>6x8</b>	<b>6x10</b>
Per dozen.....	\$2.50	2.50	3.00
Weight per doz., lbs.....	12½	16	19

Code .....	Lamscope	Lanarket	Lancadero	Lancetido	Lancetter	Lancharzo
Size, inches .....	<b>6x12</b>	<b>8x8</b>	<b>8x10</b>	<b>8x12</b>	<b>8x16</b>	<b>9x12</b>
Per dozen.....	<b>\$3.00</b>	2.50	4.00	4.00	10.20	5.25
Weight per doz., lbs.....	25½	25	36	40	52	35

Code .....	Lancifort	Lancularo	Landaless	Landbake	Landbibe	Landfahr	Landfrost
Size, inches .....	<b>10x10</b>	<b>10x12</b>	<b>10x14</b>	<b>12x14</b>	<b>12x16</b>	<b>12x18</b>	<b>18x24</b>
Per dozen.....	<b>\$5.00</b>	5.55	7.50	9.00	11.00	19.40	.....
Weight per doz., lbs .....	42	40	57	73	78	94	.....

## WELL WHEELS.

CAST IRON. JAPANNED. SWIVEL HOOKS.

Code.....	Landfroth	Landfrotim	Landfrotup
Diameter of wheel, inches.	<b>10</b>	<b>12</b>	<b>14</b>
Per dozen .....	\$9.50	11.25	20.00
Weight per doz., lbs.....	48	66	123

Loose.

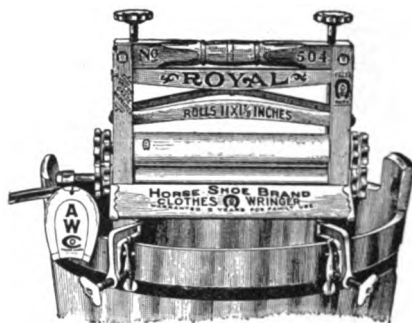


## ROYAL CLOTHES WRINGERS.

HIGHEST GRADE. WARRANTED 5 YEARS. COMBINATION.  
CLAMPS FOR GALVANIZED IRON, WOODEN OR  
FIBRE TUBS WILL OPEN 1½ INCHES.

Code.....	Landfrotyc
Number.....	<b>500</b>
Rolls, inches.....	10x1¼
Per dozen .....	\$48.00
Weight per doz. packed, lbs.....	224
Shipping measure per doz., cubic feet.....	7½

One-half dozen in a case.



## NOVELTY CLOTHES WRINGERS.

EXTRA HIGH GRADE. WARRANTED 3 YEARS. COMBINATION.  
CLAMPS FOR WOODEN, GALVANIZED  
IRON OR FIBRE TUBS. WILL OPEN  
1½ INCHES.

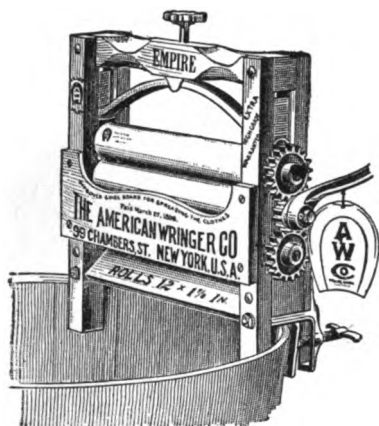
Code.....	Landfruch
Number.....	<b>300</b>
Rolls, inches.....	10x1¼
Per dozen .....	\$36.00
Weight per doz. packed, lbs.....	225
Shipping measure per doz., cubic feet.....	7½



Code .....	Landfrudel	Landfrudom	Landfruest
Numbers.....	<b>301</b>	<b>357</b>	<b>58</b>
Rolls, inches.....	11x1¼	11x2	12x2
Per dozen.....	\$45.00	78.00	93.00
Weight per doz. packed, lbs.....	236	280	300
Shipping measure per doz., cubic feet.....	8	10	11¼

Nos. 300 and 301, one-half dozen in a case.

Nos. 357 and 58, one-quarter dozen in a case.

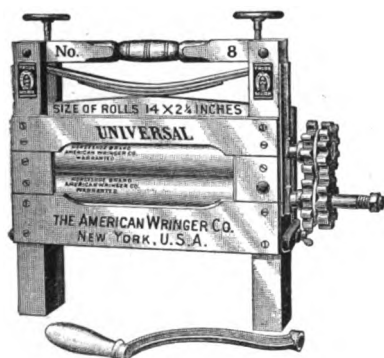


## EMPIRE CLOTHES WRINGERS.

EXTRA HIGH GRADE. WARRANTED 3 YEARS. STEEL  
PRESSURE SPRINGS. IMPROVED GUIDE BOARDS.  
WOOD TUB CLAMPS FOR WOODEN TUBS  
OR WASHING MACHINES. WILL  
OPEN  $1\frac{1}{8}$  INCHES.

Code.....	Landfruit
Number.....	<b>304</b>
Rolls, inches.....	11x1 $\frac{7}{8}$
Per dozen.....	<b>\$63.00</b>
Weight per doz., lbs.....	<b>414</b>
Shipping measure per doz., cubic feet.....	<b>19</b>

One-sixth dozen in a case.



## UNIVERSAL CLOTHES WRINGERS.

EXTRA HIGH GRADE. WARRANTED 3 YEARS. STEEL  
DOUBLE LEAF SPRING. ADJUSTABLE LEVER CLAMPS.

Has double-sided frame with Reversible Tub Clamps,  
which will open 2 inches and swing to either side of the  
wringer.

Code.....	Landfruom
Number.....	<b>8</b>
Rolls, inches.....	14x2 $\frac{1}{4}$
Per dozen.....	<b>\$198.00</b>
Weight per doz. packed, lbs.....	.....
Shipping measure per doz., cubic feet.....	.....

One-sixth dozen in a case.



## CHALLENGE CLOTHES WRINGERS.

WOOD AND RUBBER SPRINGS. CHEAP GRADE. NOT  
WARRANTED.

Code.....	Landfry
Number.....	<b>10</b>
Rolls, inches.....	10x1 $\frac{3}{4}$
Per dozen.....	<b>\$24.00</b>
Weight per doz., lbs.....	<b>200</b>
Shipping measure per doz., cubic feet.....	<b>6<math>\frac{1}{2}</math></b>

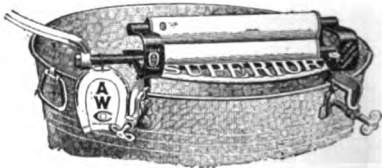
One-half dozen in a case.

**SUPERIOR CLOTHES  
WRINGERS.**

SPECIAL HIGH GRADE. WARRANTED 2 YEARS. COMBINATION CLAMPS FOR WOODEN, GALVANIZED IRON OR FIBRE TUBS. WILL OPEN 1 1/2 INCHES.

Code .....	Landfryer	Landfude	Landfuert
Numbers.....	200	201	202
Rolls, inches.....	10x1 3/4	11x1 3/4	12x1 3/4
Per dozen.....	\$27.00	33.00	39.00
Weight per doz. packed, lbs...	158	160	165
Ship. meas. per doz., cu. ft...	4 1/3	4 1/2	4 2/3

One-half dozen in a case.



**MARVEL CLOTHES  
WRINGERS.**

CHEAP GRADE. NOT WARRANTED. COMBINATION CLAMPS FOR WOODEN, GALVANIZED IRON OR FIBRE TUBS. WILL OPEN 1 1/2 INCHES.

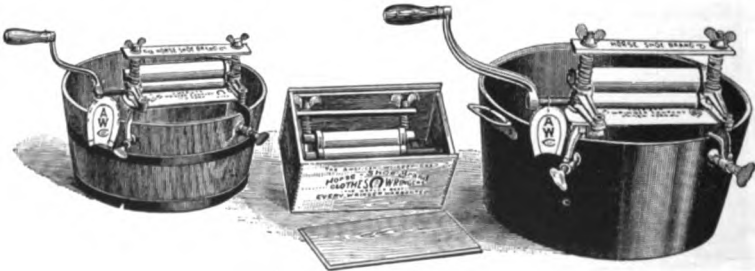
Code.....	Landfugit
Number.....	10
Rolls, inches.....	10x1 3/4
Per dozen.....	\$15.00
Weight per doz. packed, lbs.....	156
Shipping measure per doz., cubic feet.....	4 1/3

One-half dozen in a case.



**GEM TOY WRINGERS.**

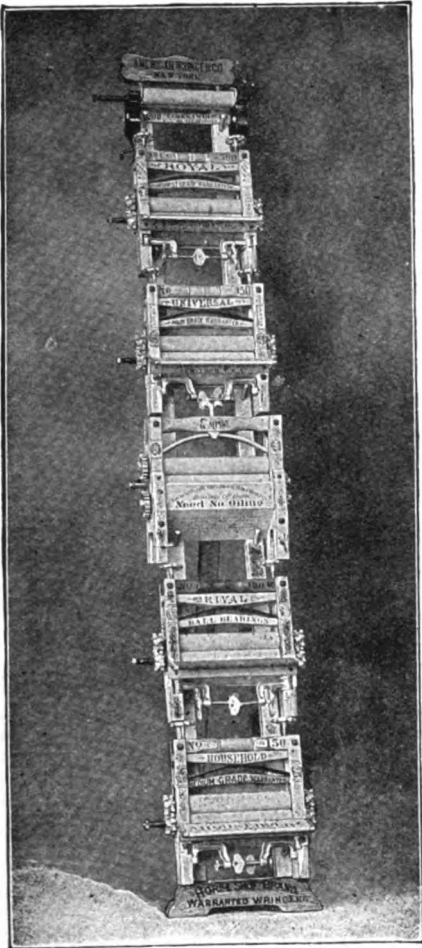
MADE TO WRING.



Code.....	Landfuhl	Landfugo
Numbers.....	2	1
Rolls, inches.....	4x 3/4	5x1
Per dozen.....	\$6.00	9.00
Weight per case, lbs.....	77	109
Shipping measure per case, cubic feet.....	5 1/2	3

One-twelfth dozen in a box. No. 2, three dozen; No. 1, two dozen in a case.





## SEXTETTE OF WRINGERS.

Show Stand and Sample Set Wringers.

Each case contains the following wringers:

Names.	Nos.	Rolls, Inches.	Grades.	Warranted.	Per Dozen.
Superior.....	200	10x1 3/4	Special High	2 years	\$27.00
Royal .....	500	10x1 3/4	Highest Grade	5 years	48.00
Universal.....	350	10x1 3/4	Extra High	3 years	36.00
Empire.....	800	10x1 3/4	Extra High	3 years	42.00
Rival.....	100	10x1 3/4	Standard High	1 year	24.00
Household ..	180	10x1 3/4	Standard High	1 year	30.00

No. 180, Household, is Ball Bearing. Any of above Wringers can be furnished separately from stock.

Code .....	Landfull
Weight per set packed, lbs. ....	192
Per set.....	\$17.25
Shipping measure per set packed, cubic feet.....	11 1/16

Packed in two cases—one case Wringers, one case Stand.

## RUBBER WRINGER ROLLS.

WITH COG WHEELS. EXTRA HIGH GRADE.



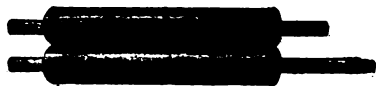
Code, Upper.....	Landfuma	Landfumiss	Landfunnel
Code, Lower.....	Landfuore	Landfupell	Landfurste
Wringers.....	Novelty 300	Novelty 301	Novelty 58
Inches.....	10x1 3/4	11x1 3/4	12x2
Each.....	\$1.05	1.30	2.30
Weight each, lbs.....	4	4 1/2	8

Upper and Lower Rolls same price.

**RUBBER WRINGER ROLLS.**

WITHOUT COG WHEELS.

Code, Upper .....	Landfusher
Code, Lower .....	Landgaben
Wringer .....	Superior <b>200</b>
Grade .....	Special High
Inches .....	10x1 $\frac{3}{4}$
Each .....	\$0.80
Weight each, lbs. ....	3 $\frac{1}{2}$



Code, Upper .....	Landfuttis	Landfuvite	Landfuxoid
Code, Lower .....	Landgabock	Landgabute	Landgador
Wringers .....	Superior <b>201</b>	Superior <b>202</b>	Marvel <b>10</b>
Grades .....	Special High	Special High	Low
Inches .....	11x1 $\frac{3}{4}$	12x1 $\frac{3}{4}$	10x1 $\frac{3}{4}$
Each .....	\$1.00	1.20	.65
Weight each, lbs. ....	4	5	3 $\frac{1}{4}$

Upper and Lower Rolls same price.

**WRINGER HANDLES.**

Code.	Name.	Nos.	Per Dozen.
Landgaert .....	Novelty	<b>300</b>	\$3.00
Landgafir .....	Novelty	<b>301</b>	3.00
Landgage .....	Novelty	<b>357</b>	5.40
Landgahl .....	Novelty	<b>58</b>	5.40
Landgainer .....	Superior	<b>200</b>	3.00
Landgalle .....	Superior	<b>201</b>	3.00
Landgamis .....	Superior	<b>202</b>	3.00
Landgang .....	Royal	<b>500</b>	3.00
Landgapt .....	Challenge	<b>10</b>	3.00
Langarde .....	Marvel	<b>10</b>	3.00

**WRINGER CLAMPS.**

Code.	Name.	Nos.	Per Dozen
Landgases .....	Superior	<b>200</b>	\$5.40
Landgath .....	Superior	<b>201</b>	5.40
Landgelas .....	Superior	<b>202</b>	5.40

**WRINGER ATTACHMENTS.**

FOR GALVANIZED WASH TUBS. GALVANIZED HOOKS.

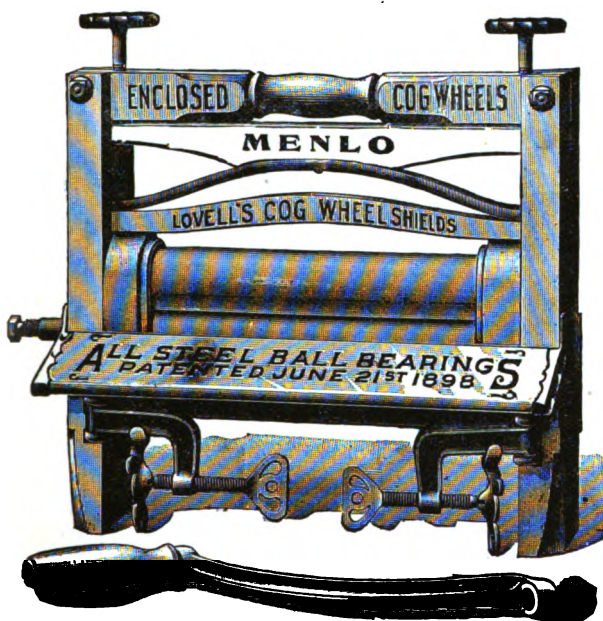
HARDWOOD BLOCKS.

These attachments can be fixed to any make of tub by springing the steel loops over the rod of the tub, and can be adjusted to accommodate any size wringer.

Code .....	Landgemmed
Inches .....	5 $\frac{1}{2}$ x 1 $\frac{1}{2}$ x $\frac{3}{16}$
Per dozen .....	\$1.00
Weight per doz., lbs. ....	2

One dozen in a package.





## MENLO CLOTHES WRINGERS.

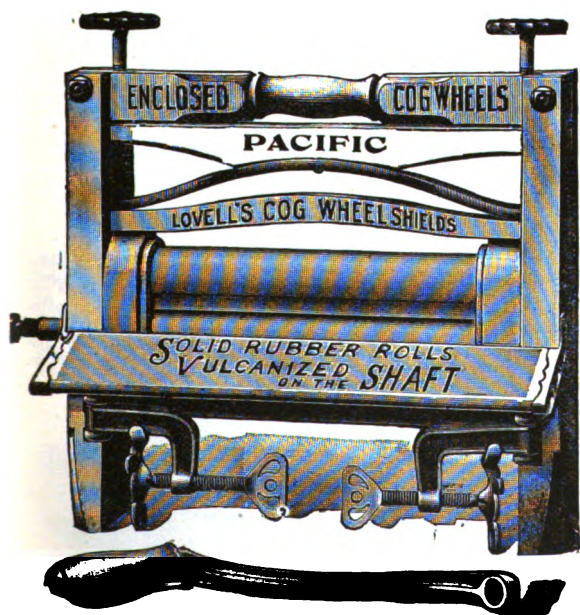
EXTRA HIGH GRADE. WARRANTED 5 YEARS. STEEL BALL BEARINGS. COG WHEEL SHIELDS.

"HOLD-FAST" TUB CLAMPS FOR GALVANIZED IRON OR WOODEN TUBS.

WILL OPEN  $1\frac{1}{2}$  INCHES.

Code.....	Landgenus	Landgerri
Numbers .....	<b>790</b>	<b>791</b>
Rolls, inches .....	10x1 $\frac{3}{4}$	11x1 $\frac{3}{4}$
Per dozen.....	\$63.00	71.00
Weight per doz. packed, lbs.....	250	275
Shipping measure per doz., cubic feet....	8 $\frac{5}{8}$	9

One-half dozen in a case.



## PACIFIC CLOTHES WRINGERS.

SPECIAL HIGH GRADE. WARRANTED 3 YEARS. REGULAR BEARINGS. COG WHEEL SHIELDS.

"HOLD-FAST" TUB CLAMPS FOR GALVANIZED IRON OR WOODEN TUBS.

WILL OPEN  $1\frac{1}{2}$  INCHES.

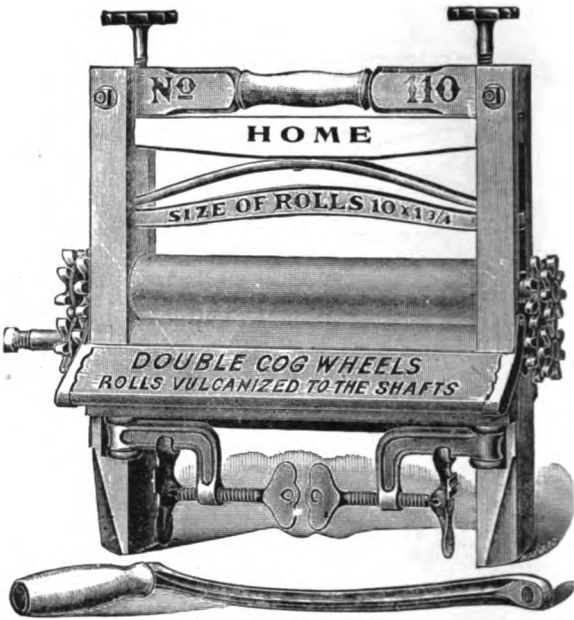
Code.....	Landgestor
Number.....	<b>670</b>
Rolls, inches.....	10x1 $\frac{3}{4}$
Per dozen.....	\$45.00
Weight per doz. packed, lbs.....	240
Shipping measure per doz., cubic feet....	8 $\frac{5}{8}$

One-half dozen in a case.

**HOME CLOTHES  
WRINGERS.**

REGULAR HIGH GRADE. WARRANTED 1 YEAR  
REGULAR BEARINGS. "HOLDFAST" TUB  
CLAMPS FOR GALVANIZED IRON  
OR WOODEN TUBS. WILL  
OPEN 1½ INCHES.

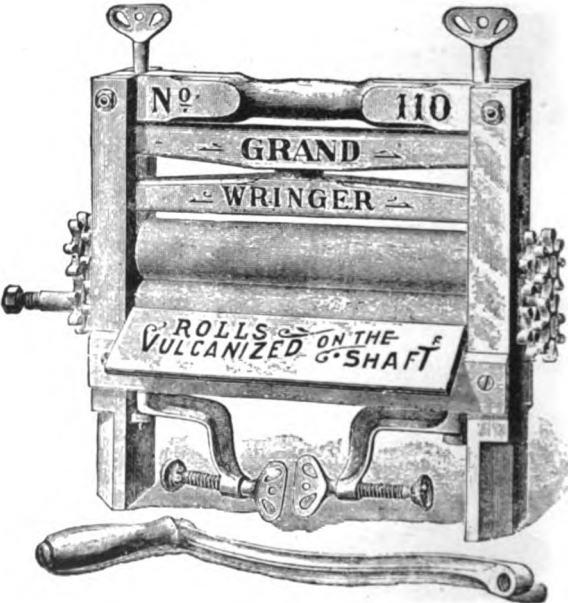
Code.....	Landgett
Number .....	<b>110</b>
Rolls, inches .....	10x1¾
Per dozen.....	<b>\$32.00</b>
Weight per doz. packed, lbs. ....	220
Shipping measure per doz., cubic feet.....	7⅝
One-half dozen in a case.	

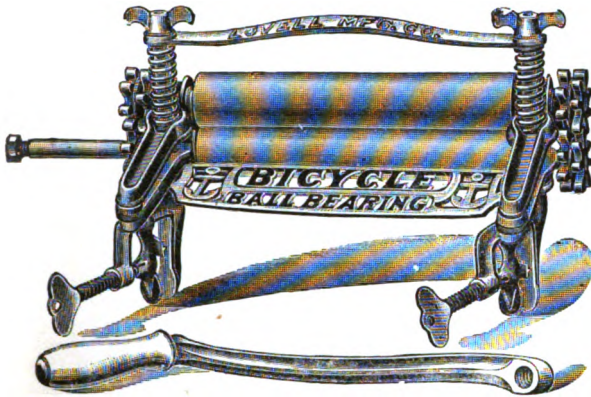


**"GRAND" CLOTHES  
WRINGERS.**

CHEAP GRADE. NOT WARRANTED. REGULAR  
WIDTH. SWING CLAMPS. WILL OPEN 2 INCHES.

Code.....	Landgift
Number .....	<b>110</b>
Rolls, inches.....	10x1¾
Per dozen.....	<b>\$18.00</b>
Weight per doz. packed, lbs .....	200
Shipping measure per doz., cubic feet .....	6⅔
One-half dozen in a case.	



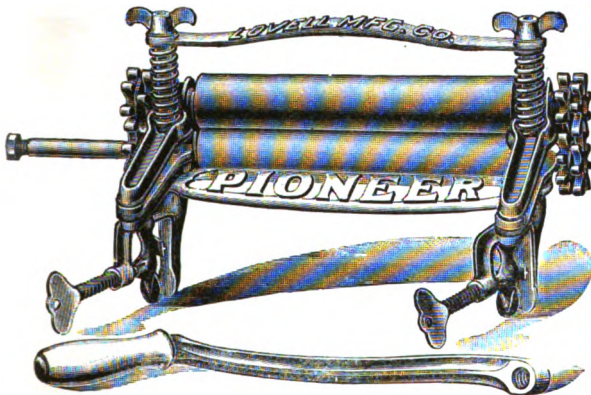


### "BICYCLE" CLOTHES WRINGERS.

EXTRA HIGH GRADE. WARRANTED 3 YEARS. ELECTRO-GALVANIZED BALL BEARINGS. MALLEABLE IRON FRAMES. STEEL SPIRAL SPRINGS. "HOLDFAST" TUB CLAMPS FOR GALVANIZED IRON OR WOODEN TUBS. WILL OPEN 1½ INCHES.

Code.....	Landgilly
Number.....	<b>122</b>
Rolls, inches.....	10x1¼
Per dozen.....	<b>\$62.00</b>
Weight per doz. packed, lbs.....	238
Shipping measure per doz., cubic feet.....	7½

One-half dozen in a case.

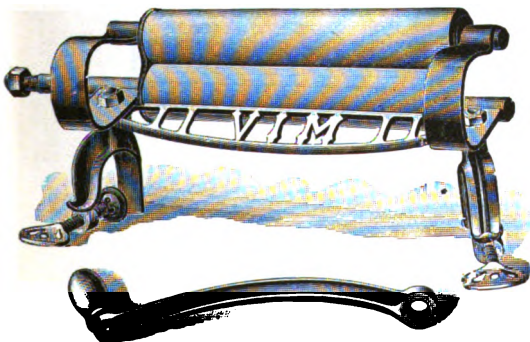


### "PIONEER" CLOTHES WRINGERS.

REGULAR HIGH GRADE. WARRANTED 1 YEAR. MALLEABLE IRON FRAMES. STEEL SPIRAL SPRINGS. "HOLDFAST" TUB CLAMPS FOR GALVANIZED IRON OR WOODEN TUBS. WILL OPEN 1½ INCHES.

Code .....	Landgirded
Number .....	<b>22</b>
Rolls, inches.....	10x1¼
Per dozen.....	<b>\$32.00</b>
Weight per doz. packed, lbs.....	230
Shipping measure per doz., cubic feet...	7½

One-half dozen in a case.



### "VIM" CLOTHES WRINGERS.

CHEAP GRADE. NOT WARRANTED. "HOLD-FAST" TUB CLAMPS FOR GALVANIZED IRON OR WOODEN TUBS. WILL OPEN 1½ INCHES.

Code .....	Landgiven
Number.....	<b>2</b>
Rolls, inches .....	10x1¼
Per dozen.....	<b>\$15.00</b>
Weight per doz. packed, lbs.....	142
Shipping measure per doz., cubic feet....	4½

One-half dozen in a case.



## SECTION 21.

PECK, STOW AND WILCOX COMPANY'S

TINNERS' TOOLS AND MACHINES

PLUMBERS' TOOLS, ETC.



HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES

AND NEW YORK

## TINNERS' TOOLS AND MACHINES.

Our stock is of the PECK, STOW & WILCOX COMPANY'S make. Their name is a guarantee of excellence.

Especial attention is invited to the large line of tools and machines for working sheet metal, which embraces all the latest improvements, new designs and most recent inventions. Anything in this line not illustrated in the following pages can be quickly supplied at factory prices.

## PLUMBERS' TOOLS.

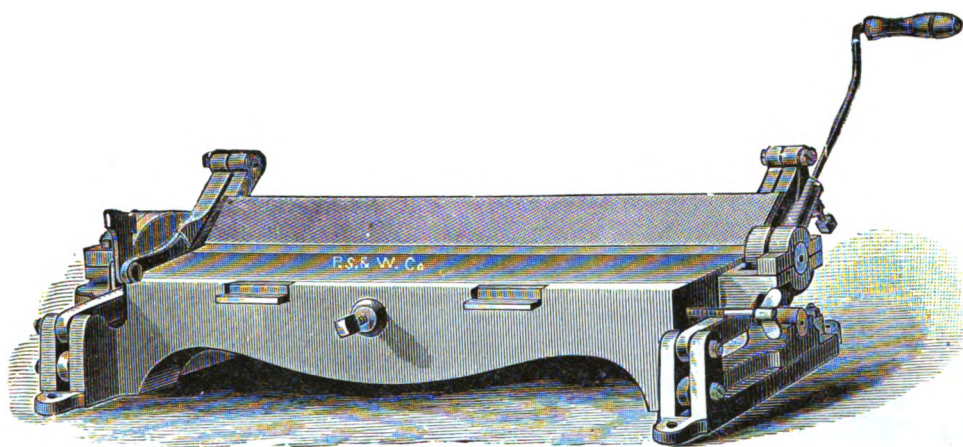
This section embraces in a comprehensive list the most salable and desirable articles in this line, which are of unquestionable superiority.

In ordering goods by telegraph from this section it is only necessary to use the code word over or opposite the name or number of the article or articles wanted preceded by words from code in front of this book.

EXAMPLE:—Crofter abanican each landkast and laudabund.

TRANSLATION:—Ship by first steamer one each number one hundred and fifty-two Stow's Adjustable Bar Folder and number naught three Iron Bottom Gutter Beader with five-eighths rod.



**TIN FOLDING MACHINES.****STOW'S PATENT ADJUSTABLE BAR FOLDER.**

Will turn locks from  $\frac{3}{32}$  to  $1\frac{5}{8}$  inches in width.

These Machines will form square joints or angles, turn narrow or wide locks, turn a round edge for wiring and form these locks on medium plate with ease. They will also form open or close locks. By open locks we mean such as are suitable for wiring straight work.

Sizes above No. 50 will bend any sheet metal of a thickness not thicker than No. 22 wire gauge. When sent from factory these Machines are adjusted properly for common and IX tin-plate or other sheet metal of same thickness. If thicker stock is to be used the Machine must be adjusted according to the thickness, by means of the screws at the rear end of the gripping jaw bearings.

All the parts are interchangeable; that is, any part of one Machine is exactly like the same part in another. To make it easy to order any piece, all the parts are lettered or numbered, and it is only necessary when ordering new parts to refer to the letter or number on the old part, always giving the number and name of the Machine for which the part is wanted.

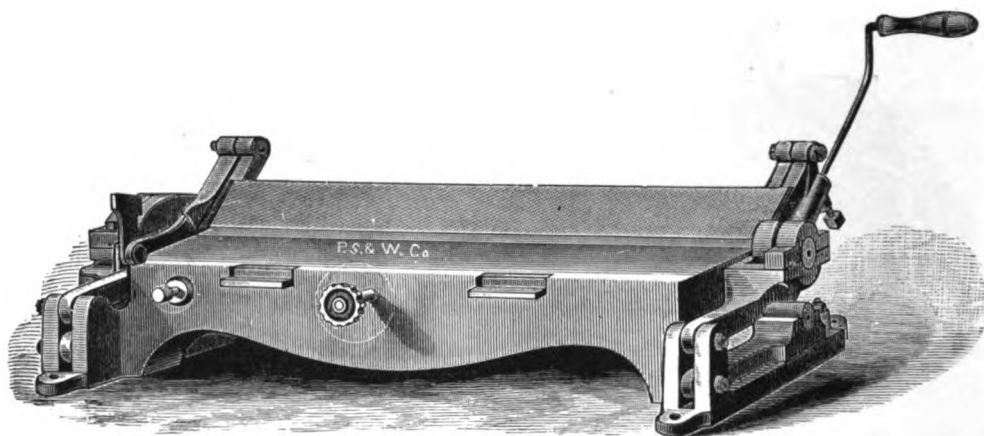
The above cut represents the Folding Bar raised at an angle, as in process of folding a sheet of metal.

Code .....	Landgrate	Landhilt	Landjunk
Numbers .....	<b>50</b>	<b>52</b>	<b>54</b>
Inches .....	17	20	30
Will turn lock, inches .....	$\frac{3}{32}$ to $\frac{1}{2}$	$\frac{3}{32}$ to 1	$\frac{3}{32}$ to 1
Weight each, lbs. ....	50	80	155
Each .....	\$25.00	30.00	40.00
Shipping weight each, lbs. ....	60	100	185

One in a case.

## TIN FOLDING MACHINES.

### STOW'S PATENT ADJUSTABLE BAR FOLDER.



Will turn locks from  $\frac{3}{16}$  to 1 inch in width.

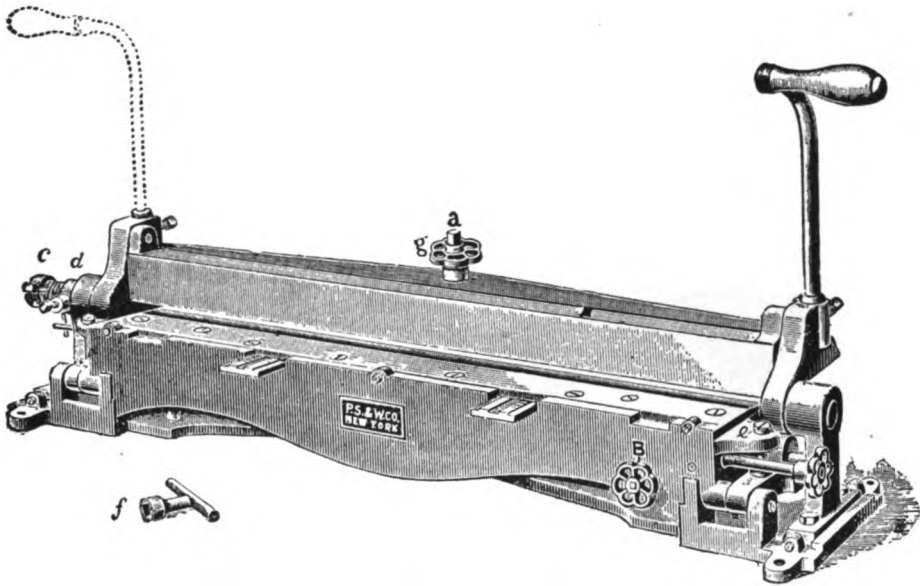
These Folders are adapted to the same work as those described in the preceding page, though somewhat different in construction. The movement of the gauge is instantaneous. The set screw in front and at the left of the machine holds the gauge firmly in place and secures a fold or lock of uniform width. The parts of these Folders are interchangeable and correspond with the parts of our No. 52 Folder.

Code .....	Landkast	Landkirte
Numbers.....	152	154
Inches.....	20 $\frac{3}{4}$	31
Will turn lock, inches .....	$\frac{3}{16}$ to 1	$\frac{3}{16}$ to 1
Weight each, lbs.....	80	155
Each .....	\$30.00	40.00
Shipping weight each, lbs.....	100	184

One in a case.

## TIN FOLDING MACHINES.

## THE PECK, STOW &amp; WILCOX CO'S NEW BAR FOLDER.



Will turn locks from  $\frac{3}{32}$  to  $1\frac{1}{8}$  inches in width.

We commend these Folders for their real merit and excellence. They embrace the latest mechanical devices, and the inventions are secured by Letters Patent. Among other advantages we claim that they work easier and will produce a greater variety of work than any other Folders. The wearing parts are more durable and the jaw is steel. The wedge that raises and lowers the wing is operated by a rack and pinion and is, therefore, more easily moved. When set, the wedge can be firmly fastened in its place by the Set Nut "A." When set for turning round edges, the wing is flush with the jaw when opened, so that the metal can be readily slipped under the plate, and is automatically released when closed. It has an adjustable stop which can be arranged to hold the folding bar at any desired angle, and the gauge is graduated and moved by a positive mechanism which makes it always turn a true lock; and it can be fastened at any given point by means of the screw "B." The folding bar is provided with a spring which can be adjusted to overcome the weight of the bar. All acting parts are adjustable to compensate for wear. Duplicate parts can be furnished.

Code .....	Landkrab
Number .....	102
Inches.....	21
Will turn lock, inches .....	$\frac{3}{32}$ to 1
Weight each, lbs.....	85
Each.....	\$30.00
Shipping weight each, lbs.....	105

One in a case.

**WRIGHT'S PATENT SHEET IRON FOLDERS.**

Will turn locks  $\frac{3}{16}$  and  $\frac{5}{16}$  inch.

Code.....	Landleap
Number.....	1
Inches.....	30
Weight each, lbs.....	64
Each.....	\$12.00
Shipping weight each, lbs.....	85

One in a case.

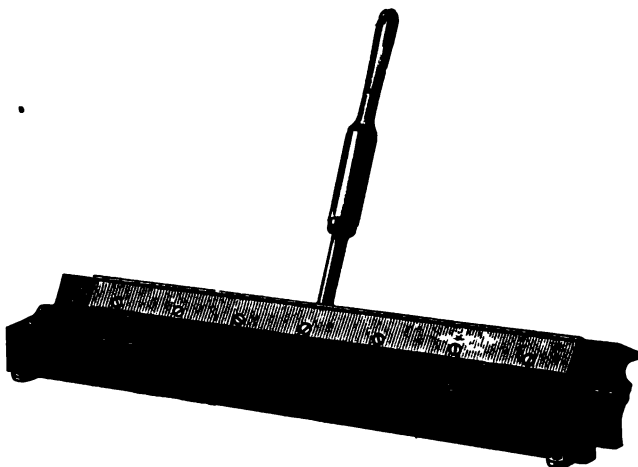
**WRIGHT'S IMPROVED SHEET IRON FOLDERS.**

Will turn locks  $\frac{3}{16}$ ,  $\frac{5}{16}$ ,  $\frac{1}{2}$  and  $\frac{5}{8}$  inch.

As now made, this Machine will turn locks of different widths on any length of sheet. To turn an edge longer than the length of the Machine, use the round rod, placing it so that the sheet will be put into the Machine over it, and turn the folding bar against its round surface, making a slight bend the entire length of the sheet, and repeat this operation of bending until the lock is finished, or far enough to close it down in the ordinary way. In turning edges on long sheets it will be well to turn the edge slightly at first and repeat the process of bending until finished. To turn wider locks than the depth of the folding plate, use the steel strips under the plate to increase the width, and operate the Machine in the same manner as without them.

Code.....	Landlock
Number.....	<b>12</b>
Inches.....	30
Weight each, lbs.....	69
Each.....	<b>\$15.00</b>
Shipping weight each, lbs.....	85

One in a case.

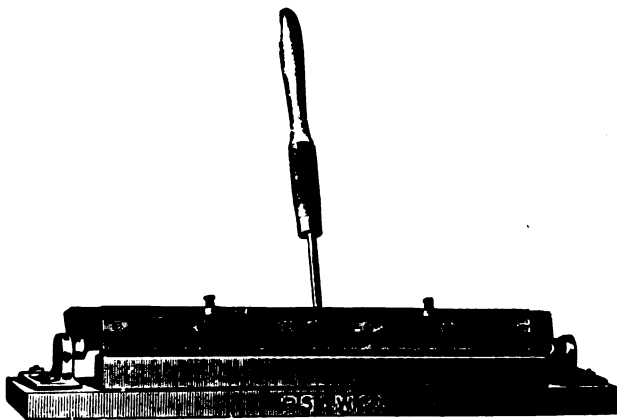
**STOW'S IMPROVED SHEET IRON FOLDERS.**

Will turn locks  $\frac{1}{16}$  to  $\frac{1}{8}$  inch.

These Machines are so constructed that the Gauge always moves upon a line parallel with the edge of the Folding Plate. The principle of folding is the same as in the Wood Bottom Folder.

Code.....	Landman
Number.....	<b>10</b>
Inches.....	<b>30</b>
Weight each, lbs.....	<b>58</b>
Each.....	<b>\$10.00</b>
Shipping weight each, lbs.....	<b>75</b>

One in a case.

**WOOD BOTTOM SHEET IRON FOLDERS.**

Will turn locks  $\frac{1}{16}$  to  $\frac{1}{8}$  inch.

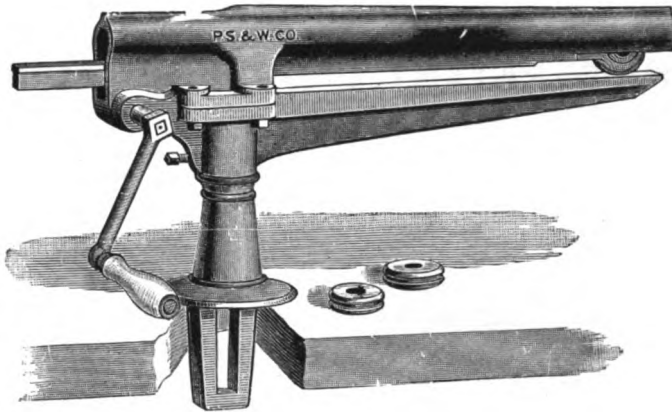
We are now constructing this Folder with a Milled Bar, and are fitting the Gauge accurately, so that it can be used for Tin as well as Sheet Iron.

Code.....	Landpart
Number.....	<b>1</b>
Inches.....	<b>30</b>
Weight each, lbs.....	<b>56</b>
Each.....	<b>\$10.00</b>
Shipping weight each, lbs.....	<b>75</b>
Shipping measure each, cubic feet....	<b>1 1/2</b>

One in a case.

# STOW'S ENCASED GROOVING MACHINES.

WITH ROTARY STANDS.

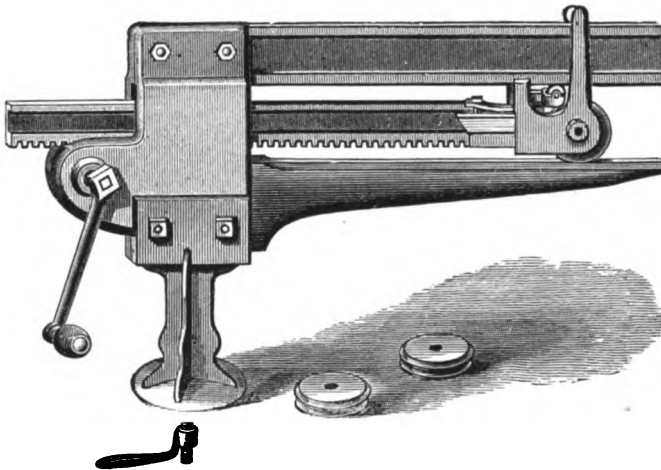


Code.	Numbers.	Inches.	Weight Each Lbs.	Shipping Weight. Lbs.	Ship. Meas., Cubic Feet.	Each
Landsitz.....	1	20	76	85	1 1/2	\$13.50
Landwage.....	2	17	64	73		11.00
Landwork.....	Extra Stands for No. 1.....					.75
Laneromp.....	Extra Stands for No. 2.....					.75
Lanestrada.....	Extra Rollers, grooves 1/8 inch.....					.75
Langarm.....	Extra Rollers, grooves 5/32 inch.....					.75
Langather.....	Extra Rollers, grooves 7/32 inch.....					.75
* Langborde.....	Groover Ratchet with brass mounting.....					2.50
* Langdank.....	Groover Pinion.....					.50

One in a case.

# PATENT BRASS MOUNTED GROOVING MACHINES.

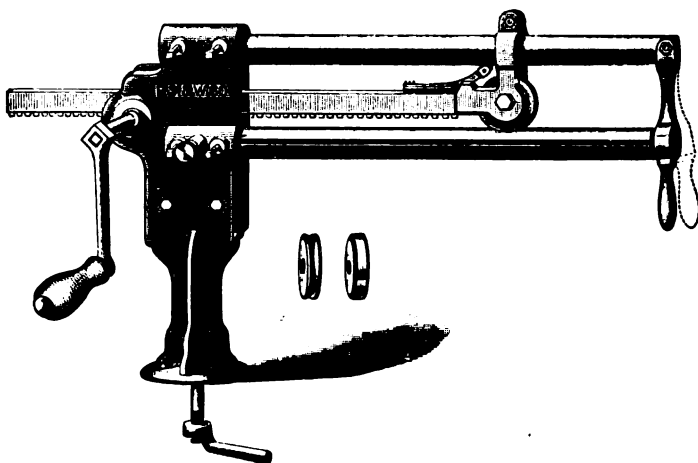
WITH STEEL BAR AND MILLED HORN.



Code.	Numbers.	Inches.	Weight. Each Lbs.	Shipping Weight. Lbs.	Ship. Meas. Cubic Feet.	Each
Langduro.....	01	20	78	95	2 1/2	\$13.50
Langhalt.....	02	17	69	84		11.00
Langkoppe.....	Extra Stands for No. 1.....					.75
Langlippe.....	Extra Stands for No. 2.....					.75
Langohr.....	Extra Rollers, grooves 1/8 inch.....					.75
Langostin.....	Extra Rollers, grooves 5/32 inch.....					.75
Langout.....	Extra Rollers, grooves 7/32 inch.....					.75
* Langsell.....	Groover Ratchet with brass mounting.....					3.25
* Langstaad.....	Groover Ratchet without brass mounting.....					2.25

One in a case.

\* Not carried in stock, furnished from factory only.

**GRANNIS' PATENT GROOVING MACHINES.**

With  $\frac{1}{8}$ ,  $\frac{5}{32}$  and  $\frac{1}{4}$ -inch rolls.

This Groover is so constructed that the operator can observe his work during the whole process of grooving. Seams can be formed on either the inside or outside of the cylinder, and it can be used on all vessels not less than 2 inches in diameter. Four rolls accompany each machine, one each with groove as stated below and one flattening roll. These machines will groove metal not heavier than No. 20 gauge.

Code.	Numbers.	Inches.	Weight Each, Lbs.	Shipping Weight, Lbs.	Ship. Meas., Cubic Feet.	Each.
Langtande.....	<b>11</b>	20	85	120	.....	<b>\$13.50</b>
Langtong.....	<b>12</b>	30	100	140	$3\frac{1}{2}$ .....	<b>18.00</b>

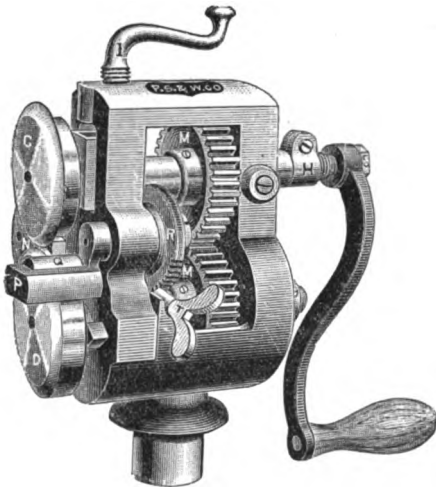
No. 11—With 3 Rolls,  $\frac{1}{8}$ ,  $\frac{5}{32}$ , and  $\frac{1}{4}$  inch Grooves.

No. 12—With 3 Rolls,  $\frac{5}{32}$ ,  $\frac{1}{4}$  and  $\frac{3}{8}$  inch Grooves.

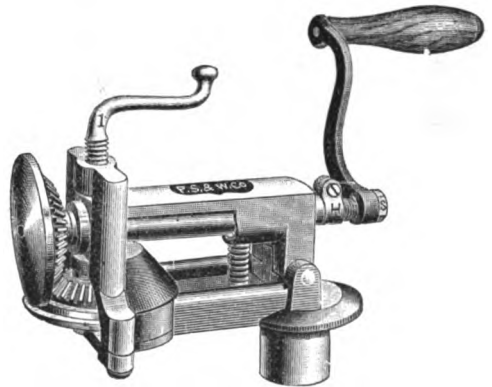
One in a case.



## STOW'S COLUMBIAN WIRING AND SETTING DOWN MACHINES.



Wiring Machine.



Setting Down Machine.

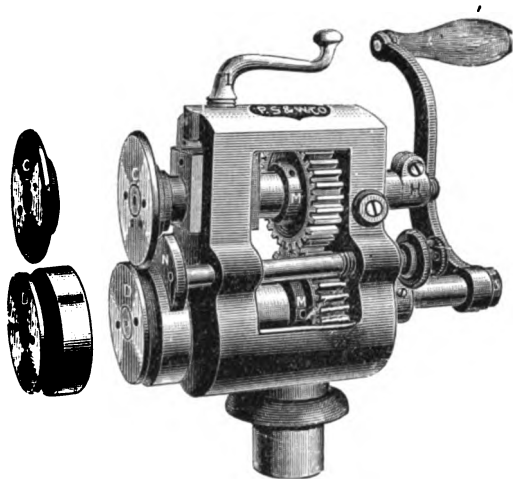
One-fourth Size Cuts.

Our Columbian Machines are made under recent patents. They have a solid frame, are strong and durable, and are made with duplicate parts—that is, the corresponding parts of the same machine are interchangeable. By a patented arrangement the upper journal boxes are so constructed that the faces readily pass over seams without straining the machine or injuring the work. The Standards used with these Machines are the "Improved," represented on page 804.

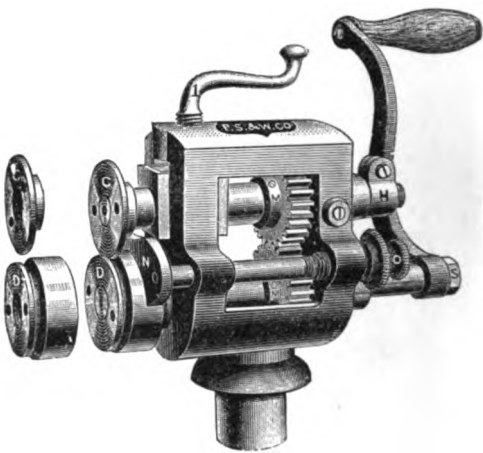
Code.		Each
Languard .....	Columbian Wiring Machine, with stand. Weight, 33 lbs.....	\$12.00
Languent.....	Columbian Wiring Machine, without stand. Weight, 21 lbs.....	11.25
Languide.....	Columbian Setting Down Machine, with stand. Weight, 21 lbs.....	9.75
Languish .....	Columbian Setting Down Machine, without stand. Weight, 10 lbs.....	9.00
Languor.....	Extra Upper Roll, with arbor for Wiring Machine.....	2.50
Langust.....	Extra Lower Roll, with arbor for Wiring Machine.....	2.50
Langwed.....	Extra Upper Roll for Setting Down Machine.....	3.00
Laniaber.....	Extra Lower Roll for Setting Down Machine.....	3.00

One in a wooden box.

STOW'S COLUMBIAN TURNING MACHINES.



Large Turning Machine.

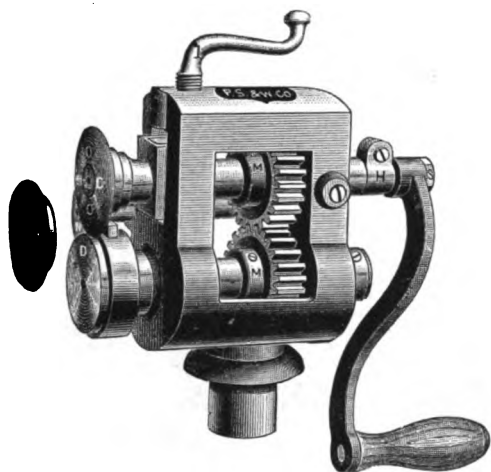


Small Turning Machine.

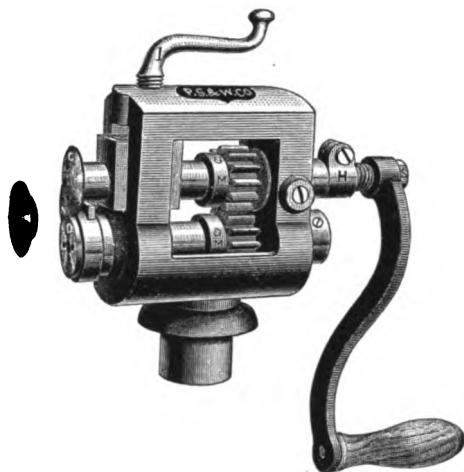
One-fourth Size Cuts.

Code.		
Laniard .....	Columbian Large Turning, with extra upper and lower face, with stand. Weight, 32 lbs.....	\$10. 25
Laniation .....	Columbian Large Turning, with extra upper and lower face, without stand. Weight, 21 lbs..	9. 50
Laniavist .....	Columbian Small Turning, with extra upper and lower face, with stand. Weight, 26 lbs.....	10. 00
Lanifero .....	Columbian Small Turning, with extra upper and lower face, without stand. Weight, 15 lbs...	9. 25
Lanificist .....	Extra Upper Face for Large Turning Machine.....	1. 00
Lanigerot .....	Extra Lower Face for Large Turning Machine.....	1. 00
Laniseed .....	Extra Upper Face for Small Turning Machine.....	1. 00
Laniolird .....	Extra Lower Face for Small Turning Machine.....	1. 00

One in a wooden box.

**STOW'S COLUMBIAN BURRING MACHINES.**

Large Burring Machine.



Small Burring Machine.

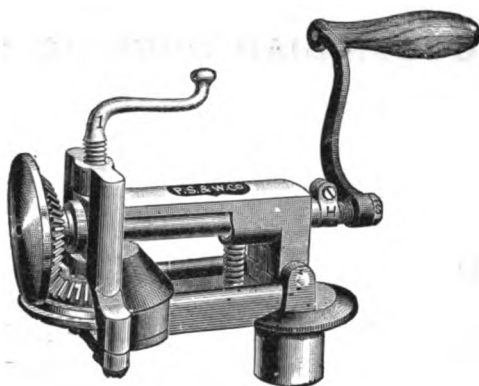
One-fourth Size Cuts

Code.		
Lanipente .....	Columbian Large Burring, with extra upper face, with stand. Weight, 27 lbs.....	\$9.00
Lanipilor .....	Columbian Large Burring, with extra upper face, without stand. Weight, 16 lbs.....	8.25
Lanistaro .....	Columbian Small Burring, with extra upper face, with stand. Weight, 22 lbs.....	8.50
Lanoculot .....	Columbian Small Burring, with extra upper face, without stand. Weight, 11 lbs.....	7.75
Lanosarde .....	Extra Upper Face for Large Burring Machine.....	1.00
Lansbreke .....	Extra Lower Face, with arbor, for Large Burring Machine.....	2.00
Lansdrage .....	Extra Upper Face for Small Burring Machine.....	1.00
Lansvorm .....	Extra Lower Face, with arbor, for Small Burring Machine.....	2.00

One in a wooden box.

**STOW'S ENCASED SETTING DOWN MACHINES.**

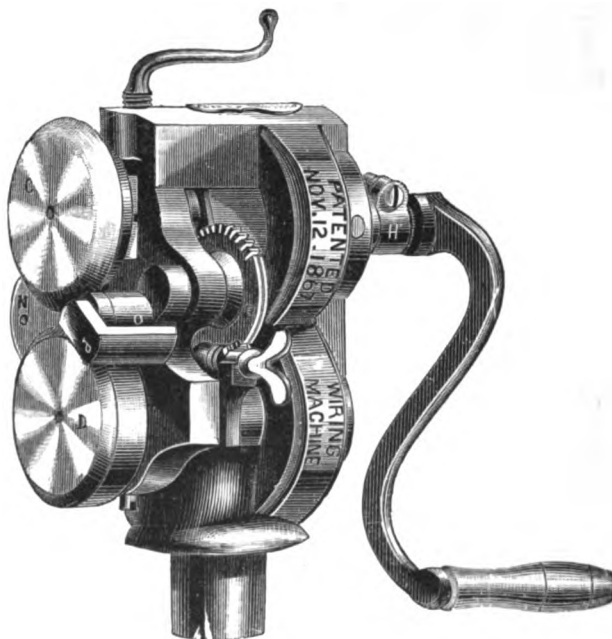
WITH ADJUSTABLE BOXES AND DUPLICATE PARTS.



One-fourth Size Cut.

Code.		
Lantaner.....	Encased Setting Down Machine, with standard. Weight, 21 lbs.....	\$9.75
Lanternad.....	Encased Setting Down Machine, without standard. Weight, 10 lbs.....	9.00
Lanthanim.....	Extra Upper Rolls for Encased Setting Down Machine.....	3.00
Lantiberg.....	Extra Lower Rolls for Encased Setting Down Machine.....	3.00
Lantipond.....	Lower Journal Plate for Encased Setting Down Machine.....	.50

One in a wooden box.

**STOW'S ENCASED WIRING MACHINES.**

One-third Size Cut.

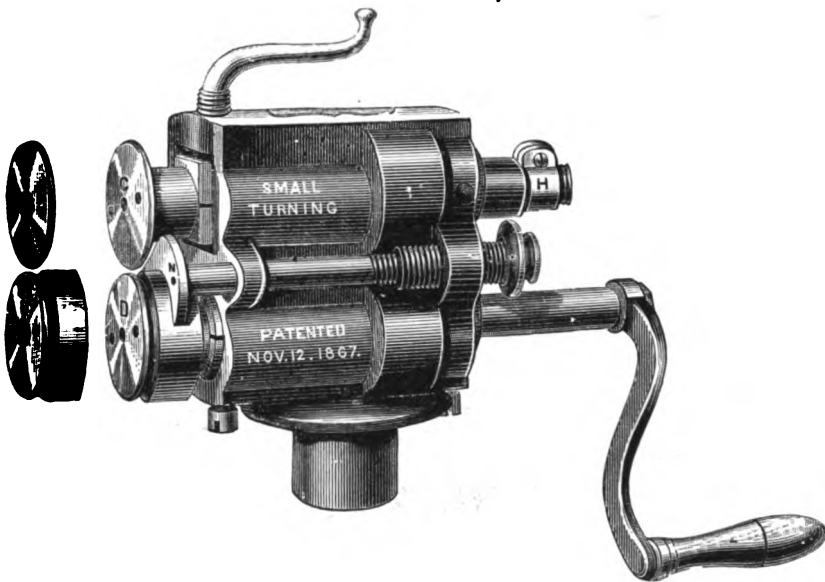
Code.		
Lanulamer.....	Encased Wiring Machine, with standard. Weight, 30 lbs.....	\$14.00
Lanuviand.....	Encased Wiring Machine, without standard. Weight, 18 lbs.....	13.25
Lanzibate.....	Extra Upper Roller, with arbor, for Encased Wiring Machine.....	2.50
Lanzidore.....	Extra Lower Roller, with arbor, for Encased Wiring Machine.....	2.50

Extra Faces for Encased Wiring Machines are only furnished with Arbor or Shaft.

One in a wooden box.

**STOW'S ENCASED SMALL TURNING MACHINES.**

WITH ADJUSTABLE BOXES AND DUPLICATE PARTS. WITH EXTRA FACES.



One-third Size Cut.

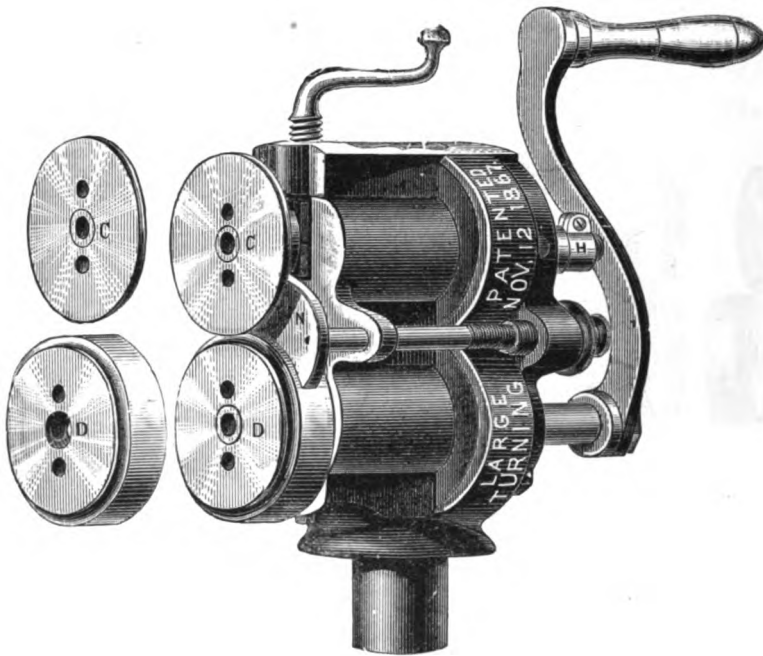
Code.

Lanzenward .....	Encased Small Turning, with extra upper and lower face, with standard.	Weight, 25 lbs.	\$11.25
Lapagerid .....	Encased Small Turning, with extra upper and lower face, without standard.	Weight, 14 lbs.	10.50
Lapareld .....	Extra Upper Face for Encased Small Turning Machine .....		1.00
Lapathite .....	Extra Lower Face for Encased Small Turning Machine .....		1.00

One in a wooden box.

## STOW'S ENCASED LARGE TURNING MACHINES.

WITH EXTRA FACES.



One third Size Cut.

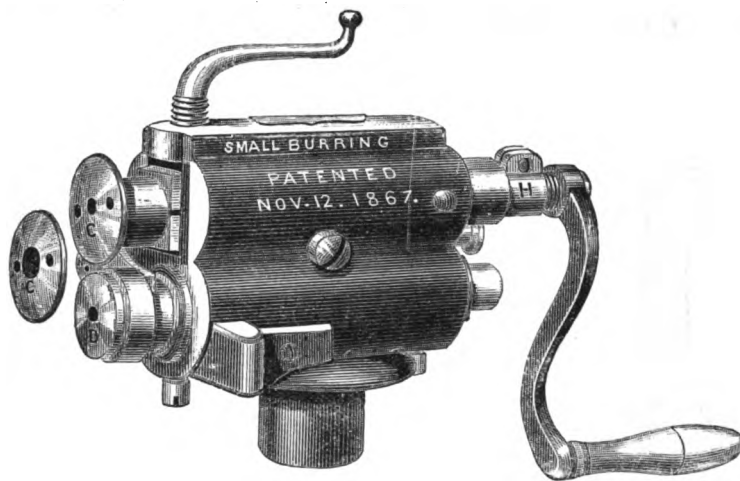
Code.

Lapedote .....	Encased Large Turning, with extra upper and lower face, with standard. Weight, 29 lbs.	<b>\$11.50</b>
Lapemisse .....	Encased Large Turning, with extra upper and lower face, without standard. Weight, 18 lbs.	<b>10.75</b>
Laphanist .....	Extra Upper Face for Encased Large Turning Machine.....	<b>1.00</b>
Laphystol .....	Extra Lower Face for Encased Large Turning Machine.....	<b>1.00</b>

One in a wooden box.

**STOW'S ENCASED SMALL BURRING MACHINES.**

WITH ADJUSTABLE BOXES AND DUPLICATE PARTS. WITH EXTRA UPPER FACE.



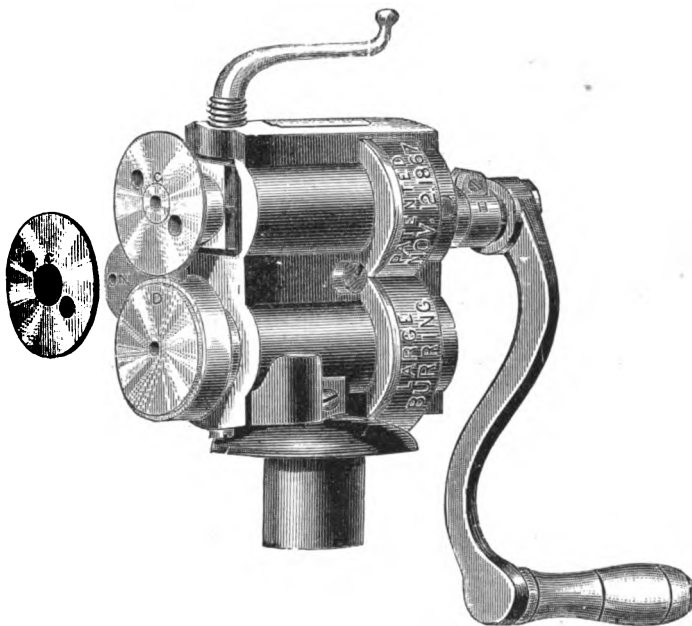
One-third Size Cut.

Code.			
Lapidabel .....	Encased Small Burring, with extra upper face, with standard.	Weight, 21 lbs.....	\$10.00
Lapidaro .....	Encased Small Burring, with extra upper face, without standard.	Weight, 10 lbs.....	9.25
Lapidade .....	Extra Upper Face for Encased Small Burring Machine.....		1.00
Lapidarass .....	Extra Lower Face, with arbor, for Encased Small Burring Machine.....		2.00

One in a wooden box.

**STOW'S ENCASED LARGE BURRING MACHINES.**

WITH EXTRA UPPER FACE.

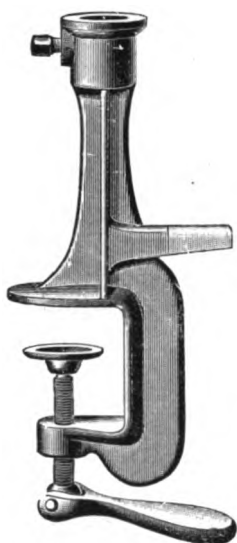


One-third Size Cut.

Code.			
Lapillim .....	Encased Large Burring, with extra upper face, with standard.	Weight, 23 lbs.....	\$10.50
Lapitharo .....	Encased Large Burring, with extra upper face, without standard.	Weight, 12 lbs.....	9.75
Laplande .....	Extra Upper Face for Encased Large Burring Machine.....		1.00
Lappenal .....	Extra Lower Face, with arbor, for Encased Large Burring Machine.....		2.00

One in a wooden box.

## IMPROVED MACHINE STANDARDS.



Wiring Machine Standard.



Small Machine Standard.

Encased and Columbian Machines are all packed with these Standards.

These Standards are made so as to be used on any bench varying in thickness from 1 to 3½ inches. The necessity of cutting holes in the benches is obviated, and the Tinner is enabled to use a Machine in any part of his shop most convenient to his work. The Wrench is always attached to the Standard.

These Standards are also adapted to Raymond's and No. 1 Machines.

Code.

Lapilibo .....	Improved Wiring Machine Standards. Weight, 12 lbs.....	Each, \$1.00
Lapster .....	Improved Small Machine Standards. Weight, 11 lbs.....	" 1.00

## A FULL SET OF STOW'S ENCASED MACHINES IS MADE UP AS FOLLOWS.

Stow's Adjustable Bar Folder, No. 52, 20 inches.....	Each, \$ 30.00
Stow's Encased Grooving Machine, No. 1, 20 inches, with standard.....	" 13.50
Stow's Encased Wiring Machine, with standard .....	" 14.00
Stow's Encased Setting Down Machine, with standard .....	" 9.75
Stow's Encased Large Turning Machine, with standard .....	" 11.50
Stow's Encased Small Turning Machine, with standard .....	" 11.25
Stow's Encased Large Burring Machine, with standard .....	" 10.50
Stow's Encased Small Burring Machine, with standard .....	" 10.00

Code.

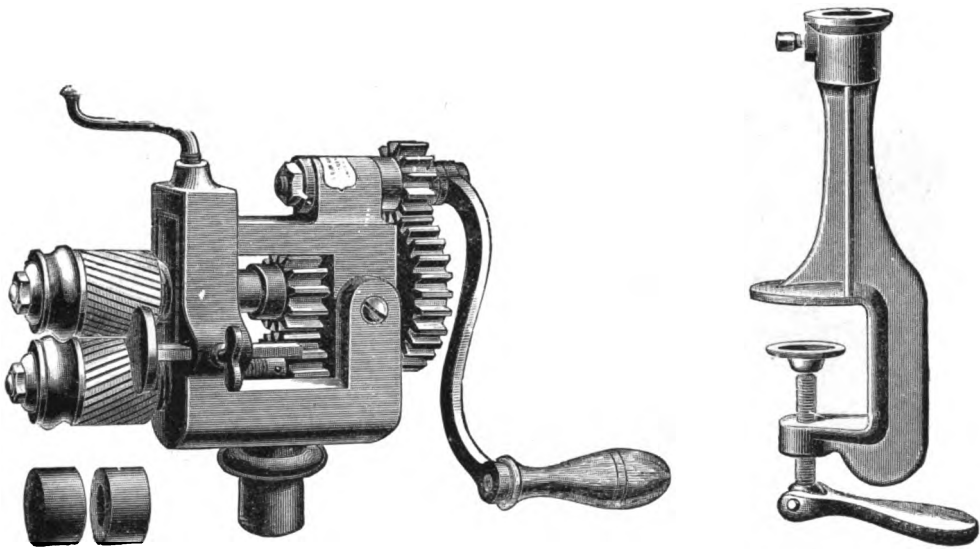
Lardacco .....	Full Set of Encased Machines, with standards. Weight, 355 lbs .....	" 110.50
Lardarios .....	Full Set of Encased Machines, without standards. Weight, 288 lbs .....	" 106.00
Lardasse .....	Full Set of Encased Machines, without Folder and Groover. Weight, 170 lbs.....	" 67.00

Shipping measurement of Set of Machines. without Folder and Groover, 3¾ cubic feet.



**COMBINED STOVE PIPE CRIMPERS AND BEADERS.**

WITH DUPLICATE PARTS.



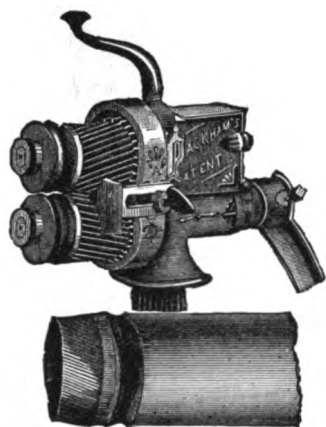
This Machine is designed to facilitate the making and putting together of metal pipe of different diameters. It crimps and contracts the edges of stove and conductor pipe, so that the lengths are put together easily. It is also provided with beading rolls, which bead the pipe at the same time it is crimped. It has steel rolls. When crimping only is desired, substitute the collars in place of the ogee rolls. The gear is made much larger than formerly and the whole Machine is stronger in every way. Straight crimping rolls can be furnished when desired. This Machine can be furnished without back gearing. Stand is same as improved small Machine Standard.

Code.	No.		
Lardavane	7	—Stove Pipe Crimper and Beader, with stand. Weight, 47 lbs.	\$12.00

Shipping measurement each, 1 cubic foot.

One in a case.

## PACKHAM IMPROVED PIPE AND RIM CRIMPERS.



The Packham Improved Crimper has a malleable iron frame. The shafts and spindles are formed from the best cold rolled steel. The screws are standard sizes and case hardened. The crimping rolls are made of steel. The flutes or serrations are made in the form of a wave and are provided with proper clearance to make the bend with the least exertion. The crank is of an improved design. It is provided with means for adjusting the length of stroke, giving a long leverage for heavy work or a short leverage for light and rapid work.

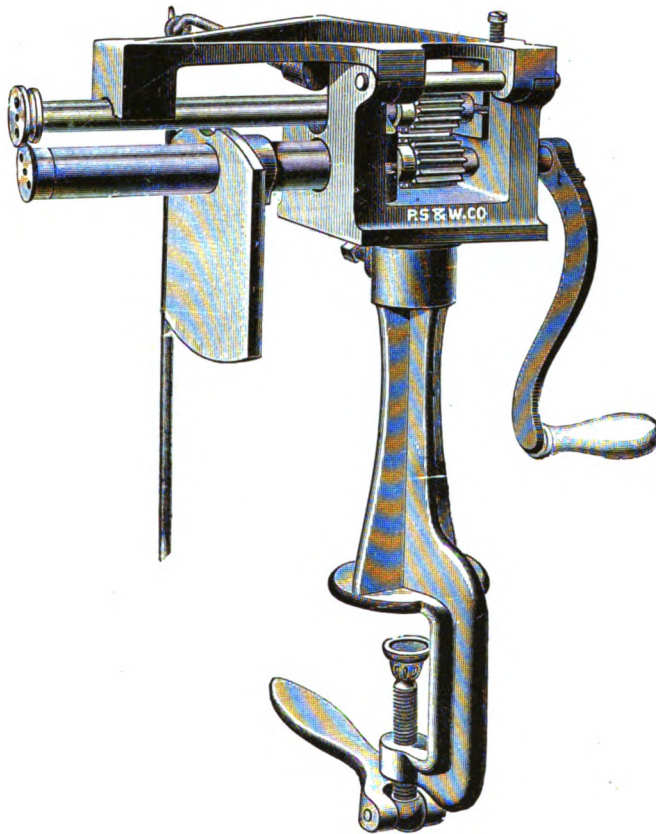
Code.

Lardeerin.....	Packham Crimper complete, with stand. Weight, 23 lbs.....	\$7.50
Lardellan.....	Packham Crimper, without stand. Weight, 16 lb.....	6.50
Larderast.....	Extra Crimping Rolls.....	Per pair, 2.75
Lardiamos.....	Extra O. G. Rolls.....	" 1.65
Lardiwort.....	Extra Springs.....	Each, .30
Lardizaba.....	Extra Arches.....	" 1.12
Larentale.....	Extra Tail or Top Screws.....	.60
Largabamo.....	Extra Gauges.....	.20

Crimpers, one in a wooden box. Stands loose.

**CRIMPING MACHINES.**

WITH STAND.



No. 1 will put bottoms on all cylinders of a diameter not less than  $2\frac{1}{2}$  inches, and in length not exceeding  $7\frac{1}{2}$  inches. No. 2 can be used for cylinders of a diameter not less than  $1\frac{1}{2}$  inches, and not longer than 6 inches.

The Gauges are so arranged as to be adjusted with ease and accuracy.

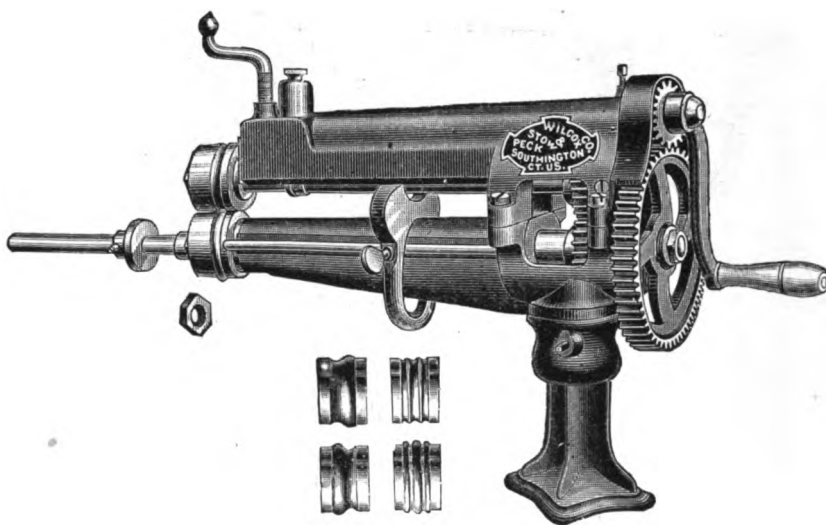
These Machines can also be arranged to run by power.

Code.	No.		
Largiamur	1	—Crimping, for putting tops and bottoms on boxes, cans, cups, etc., with stand. Weight, 68 lbs. Shipping weight, 85 lbs.....	\$18.00
Largiendo	2	—Crimping, for similar purposes, with stand. Weight, 45 lbs.....	15.00
Largificam		Extra Upper Face for No. 1 Crimping Machine.....	1.50
Largirest		Extra Lower Face for No. 1 Crimping Machine.....	1.50
Largitore		Extra Upper Face for No. 2 Crimping Machine.....	1.50
Laridame		Extra Lower Face for No. 2 Crimping Machine.....	1.50

One in a case.

## STOW'S PATENT BEADING MACHINES.

WITH STAND AND DUPLICATE PARTS.



The above cut represents an entirely new Beader. It is most carefully made, and will prove an excellent and desirable machine. The rod in front is designed as a "guide rest," on which the cylinder or vessel may rest while forming the bead, and revolves without guidance by the hand.

The Machine is made with interchangeable parts, in the same manner as our celebrated Encased Machines.

Nos. 1, 2 and 3 are made with the guide rest, and heavy enough to bead No. 20 iron. Crimping Rolls can be furnished to fit these machines.

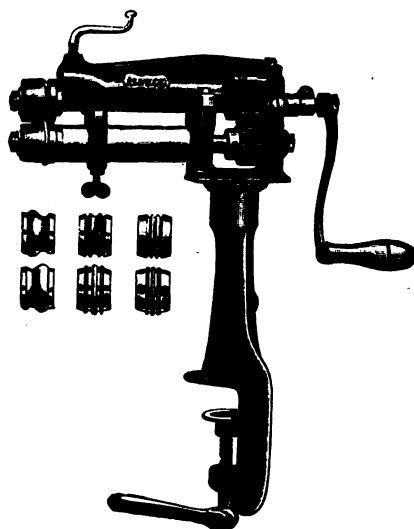
Code.	No.		
Larignor.....	1—13 inches, with 3 pairs rollers and rotary stand.	Weight, 117 lbs.....	\$32.25
Larigote.....	2—10 inches, with 3 pairs rollers and rotary stand.	Weight, 110 lbs.....	31.25
	Size of beads for Nos. 1 and 2 are as follows: Ogee bead, 1 inch; triple bead, 1 inch; single bead, $\frac{3}{4}$ inch.		
Larinator.....	3—7 $\frac{1}{2}$ inches, with 3 pairs rollers and rotary stand.	Weight, 81 lbs.....	26.25
	Size of beads for No. 3 are: Ogee bead, $\frac{3}{4}$ inch; triple bead, $\frac{7}{8}$ inch; single bead, $\frac{5}{16}$ inch.		
Laristand.....	Extra Wrought Iron Rollers for No. 1 Beader.....	Per pair,	3.50
Larvabite.....	Extra Wrought Iron Rollers for No. 2 Beader.....	"	3.50
Larvalibo.....	Extra Wrought Iron Rollers for No. 3 Beader.....	"	3.00
*Larvation.....	Extra Crimping Rolls for No. 1 Beader.....	"	6.00
*Larviform.....	Extra Crimping Rolls for No. 2 Beader.....	"	6.00
*Lascanore.....	Extra Crimping Rolls for No. 3 Beader.....	"	5.00
*Lascabar.....	Extra Stand for No. 1 Beader.....		1.25
*Lascabamo.....	Extra Stand for No. 2 Beader.....		1.25
*Lasciaron.....	Extra Stand for No. 3 Beader.....		1.25
*Lascivola.....	Extra Beader Crank.....		.50
*Lascerato.....	Extra Beader Crank Screw.....		.50

One in a case.

\* Not carried in stock; furnished from factory only.

**STOW'S PATENT BEADING MACHINES.**

WITH STAND, ADJUSTABLE BOXES AND DUPLICATE PARTS.



These Beading Machines are made in the same manner as the Encased Machines. All the parts are made to standard gauges and are lettered, so that any piece can be replaced by designating the number of the Bearer and the letter stamped upon the part wanted.

The four pairs of rollers accompanying the No. 4 bearer are the single bead, ogee bead, triple and triple coffee pot, as represented in the above cut.

Crimping rolls and guide rests can be furnished to fit these machines.

Code.

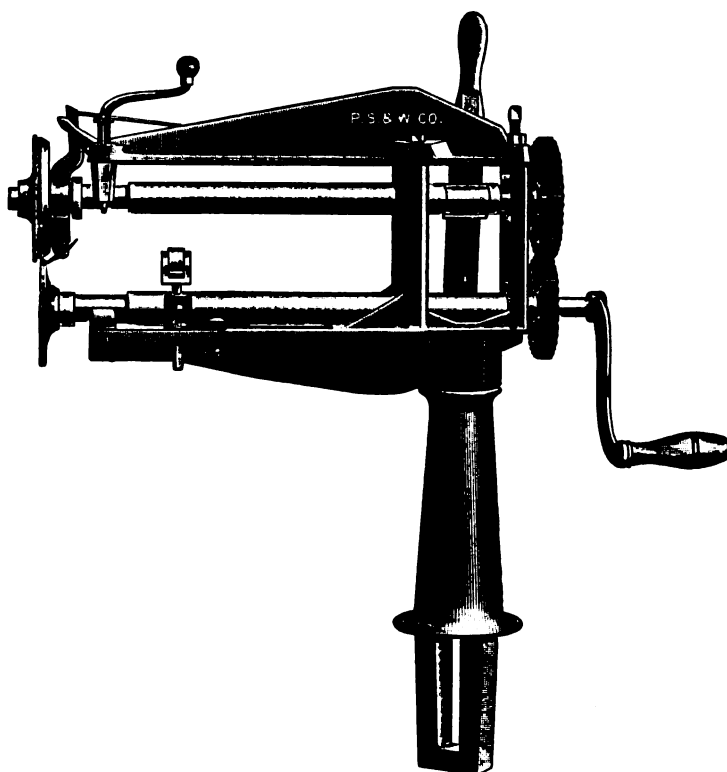
Lasiantos.....No. 4—6 inches, with four pairs rollers and rotary stand. Weight, 35 lbs. Size of beads as follows: Ogee, $\frac{3}{8}$ inch; triple, $\frac{5}{8}$ inch; triple coffee pot, $\frac{1}{2}$ inch; single, $\frac{3}{16}$ inch	\$19.75
Lassatura.....No. 5—4 inches, for tin, with five pairs rollers and rotary stand. Weight, 20 lbs. Size of beads as follows: Astragal, $\frac{7}{16}$ inch; ogee, $\frac{7}{16}$ inch; triple coffee pot, $\frac{3}{8}$ inch; triple coffee pot, fine, $\frac{5}{16}$ inch; single bead, $\frac{1}{8}$ inch.....	16.75
Lastauro .....Extra Wrought Iron Rollers for No. 4 Bearer .....	Per pair, 2.00
Lastenzag .....Extra Wrought Iron Rollers for No. 5 Bearer .....	1.25
Lasterbal .....Extra Crimping Rolls for No. 4 Bearer.....	3.50
Lasterdade .....Extra Crimping Rolls for No. 5 Bearer.....	2.00
*Lastfrate .....Extra Guide Rests for No. 4 Bearer .....	Each, .75
*Lastfuhr .....Extra Guide Rests for No. 5 Bearer .....	.. .75
Lasthene .....Extra Stands for No. 4 Bearer.....	.. .75
Lastimado .....Extra Stands for No. 5 Bearer.....	.. .75
Lastkame.....Extra Gauges for No. 4 Bearer.....	.. .75
Lastport. ....Extra Cap and Crank Screw for No. 4 Bearer.....	2.00

One in a case.

\*Not carried in stock; furnished from factory only.

**MOORE'S PATENT DOUBLE SEAMING MACHINES.**

WITH STAND.



These Double Seaming Machines are adapted for general use. They are well suited to the wants of tinsmiths who desire a machine adapted to different kinds of work. They are the only machines that will double seam coffee pots. The size of the lower face determines the smallest size circle that can be double seamed. Nos. 1 and 2 are with 4-inch lower face, and No. 3 has a 3-inch lower face.

**Code.**

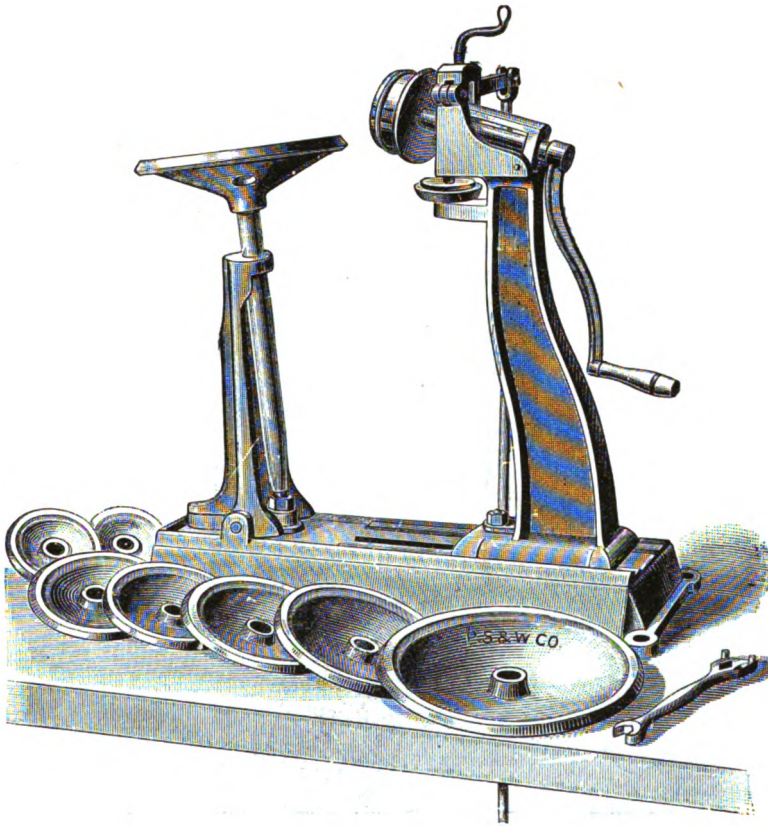
Lastremo .....	No. 1—15 inches, for heavy metal, 4-inch face, with stand. Weight, 50 lbs.....	\$21.00
Lastvolt .....	No. 2—13 inches, for common work, 4-inch face, with stand. Weight, 45 lbs.....	19.00
Latebrest .....	Extra Faces for No. 1 Moore's Double Seaming Machine.....	2.50
Lategado .....	Extra Faces for No. 2 Moore's Double Seaming Machine.....	2.50
Laterando .....	Extra Stand for No. 1 Moore's Double Seaming Machine.....	1.00
Laticlaver.....	Extra Stand for No. 2 Moore's Double Seaming Machine.....	1.00

One in a case.

Shipping weight No. 1, 80 lbs.; No. 2, 67 lbs. Shipping measurement No. 1, 2¼ cu. ft.; No. 2, 1½ cu. ft.

**OLMSTED'S DOUBLE SEAMING MACHINES.**

WITH SETTING DOWN ATTACHMENT AND EIGHT DISCS



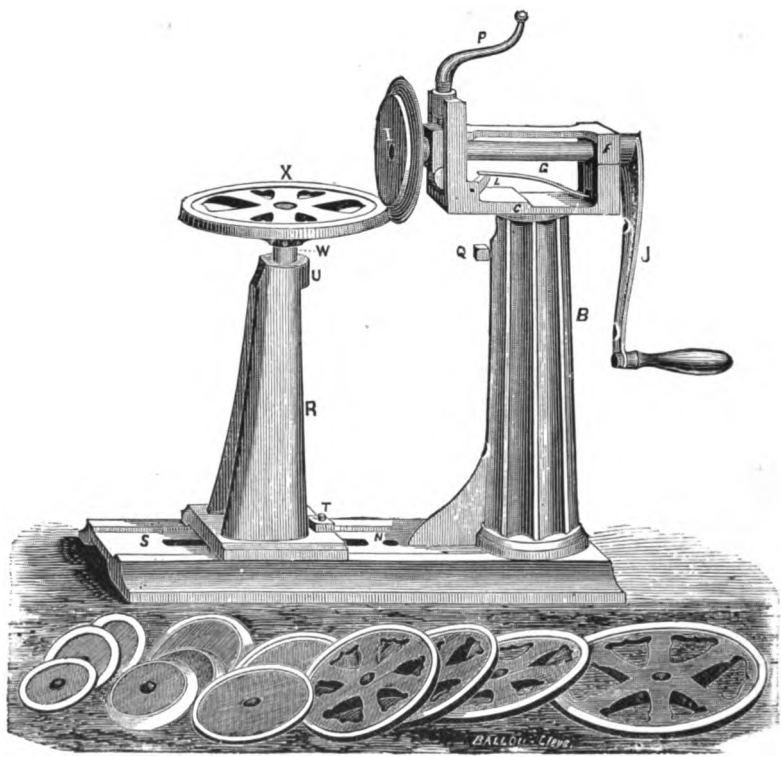
This Machine is 15 inches high. It is adapted for straight or flaring work, and may be used on light or heavy tin. Eight Discs are furnished with each machine, as follows: Flaring Discs,  $4\frac{1}{2}$ ,  $6\frac{1}{4}$ ,  $7\frac{1}{4}$ ,  $8\frac{3}{4}$  and 11 inches. Straight Discs, 4,  $5\frac{3}{4}$  and  $8\frac{1}{2}$  inches. Olmsted's Double Seamers are now all made to use with treadle or crank screw, as represented in cuts.

Code.	No.		
Latifundo.....	1—	Olmsted's Double Seamer, with Setting Down Attachment.	Weight, 102 lbs..... \$30.00
Latinare.....	Extra	Disc.....	2.00

One in a case.

HULBERT'S PATENT DOUBLE SEAMING MACHINES.

TEN DISCS. FOUR FACES.



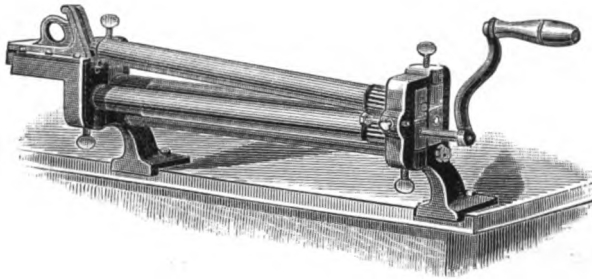
This Machine is adapted to all kinds of flaring and straight work, coffee and tea pots, oval and round boilers, and raised work. It deflects the ware after it is soldered, thereby adding both strength and durability to the article. Ten Discs are furnished with each machine, as follows: Flaring Discs, 4 $\frac{1}{8}$ , 7 $\frac{1}{8}$ , 8 $\frac{3}{8}$  and 11 $\frac{1}{2}$  inches. Straight Discs, 4 $\frac{1}{4}$ , 5 $\frac{3}{4}$ , 6 $\frac{1}{4}$ , 8 $\frac{1}{8}$  and 10 $\frac{1}{4}$  inches. Oval Edge Disc, 5 $\frac{7}{8}$  inches. Extra Discs of any size and bevel and duplicate parts of the Machine furnished to order.

Code.	No.		
Latintette.....	1—	Hulbert's Double Seamer, with deflector. Weight, 107 lbs.....	\$30.00
Latintize.....	2—	Hulbert's Double Seamer, without deflector. Weight, 107 lbs.....	25.00
Latiscpta.....	Extra	Disc.....	2.00
Latitance.....	Extra	Base and Standard.....	8.00

One in a case.

Shipping weight of Nos. 1 or 2, 135 lbs. Shipping measurement of Nos. 1 or 2, 2 $\frac{3}{4}$  cubic feet.



**STOW'S IMPROVED TIN PIPE FORMERS.**

The Nos 3 and 4 Tin Pipe Formers are made with slip rolls. They are excellent Machines, with steel rolls and cut gear, and are well adapted for forming speaking tubes and small cylinders.

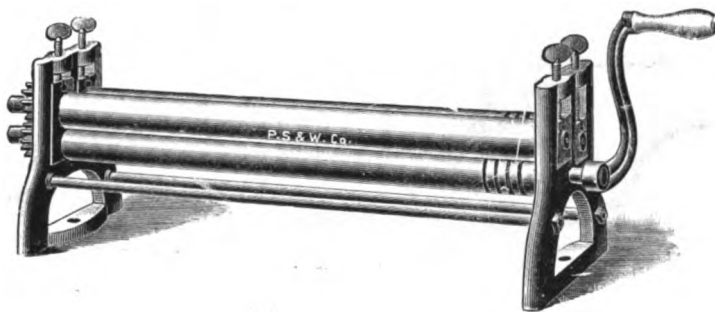
Code.	No.		
Latitatur.....	3	Tin Pipe Former, 1-inch steel rolls, 14 inches long. Weight, 37 lbs.....	\$20.00
Latonigen.....	4	Tin Pipe Former, 1-inch steel rolls, 20 inches long. Weight, 47 lbs.....	30.00

One in a case.

Shipping measurement of No. 3,  $1\frac{1}{2}$  cubic feet.

Shipping measurement of No. 4,  $1\frac{1}{2}$  cubic feet.

## **STOW'S PATENT STOVE PIPE AND TIN PIPE FORMERS.**



These Formers are made with Steel rolls. They are turned, finely finished and are free from indentations and imperfections.

Code.	No.		
Latrament.....	1	Stove Pipe Former, 2-inch rolls, 30 inches long. Weight, 130 lbs.....	\$19.00
Latratori.....	2	Stove Pipe Former, $1\frac{3}{4}$ -inch rolls, 30 inches long. Weight, 105 lbs.....	18.00
Latrocina.....	1	Tin Pipe Former, $1\frac{1}{2}$ -inch rolls, 20 inches long. Weight, 54 lbs.....	10.00
Latrodet.....	2	Tin Pipe Former, $1\frac{1}{2}$ -inch rolls, 16 inches long. Weight, 46 lbs.....	9.00

One in a case.

Shipping measurement of No. 1 Stove Pipe Former,  $2\frac{1}{2}$  cubic feet.

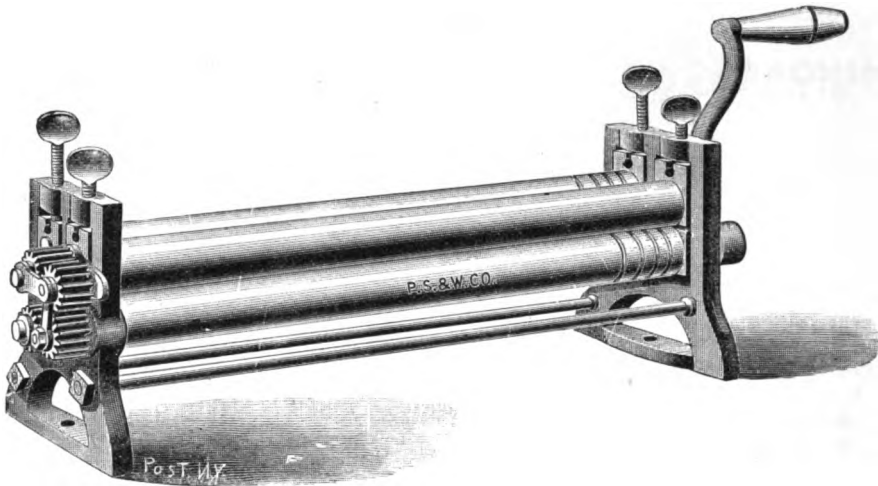
Shipping measurement of No. 2 Stove Pipe Former,  $2\frac{1}{2}$  cubic feet.

Shipping measurement of No. 1 Tin Pipe Former,  $1\frac{1}{2}$  cubic feet.

Shipping measurement of No. 2 Tin Pipe Former,  $1\frac{1}{4}$  cubic feet.

**PATENT FORMING MACHINES.**

WITH COMPENSATING GEAR.



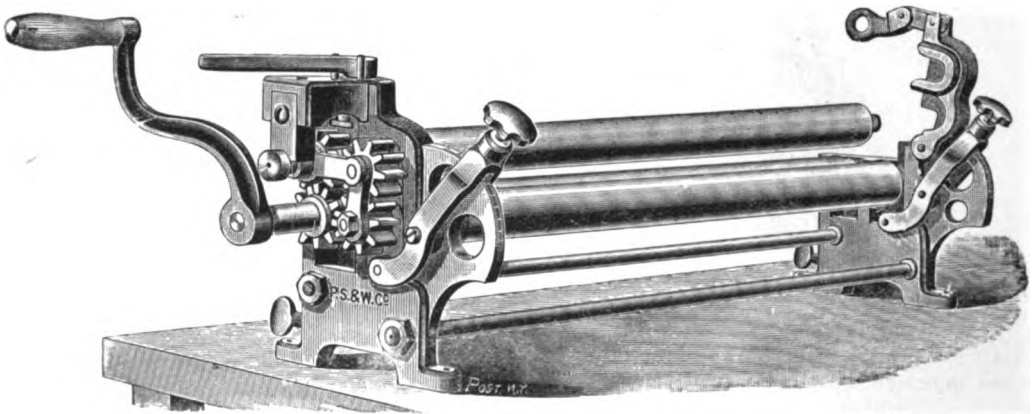
The above cut represents our Patent Forming Machines, with compensating gear. Gears to run smoothly should mesh constantly to a certain depth, and the shape of the teeth must be accommodated to such depth. In our Patent Formers the cogs attached to the gripping rolls do not articulate with each other, but into the gears, so hung that as the gripping rolls are moved the mesh of the gearing is unchanged, assuring uniformity of action and durability for the cogs; hence, whatever thickness of metal is used the gears run smoothly, without danger of slipping or breaking. The gears are machine cut.

Code.	No.		
Latruncum.....	11	—Patent Stove Pipe Former, 1½-inch rolls, 30 inches long. Weight, 100 lbs.....	\$19.00
Lattanzi.....	12	—Patent Stove Pipe Former, 2-inch rolls, 30 inches long. Weight, 123 lbs.....	20.00

One in a case.

Shipping measurement of No. 11, 2¾ cubic feet.

Shipping measurement of No. 12, 2¾ cubic feet.

**GRANNIS' PATENT SLIP ROLL FORMING MACHINES.**

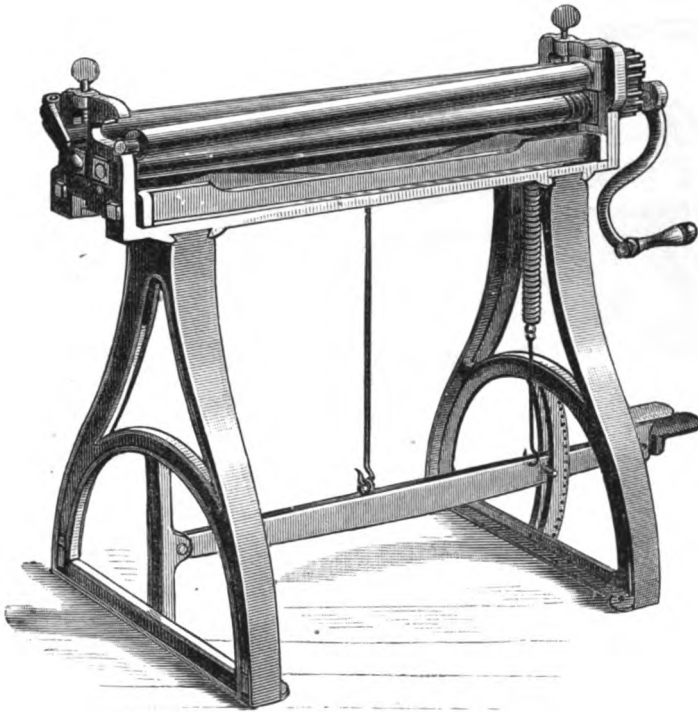
These Machines are much more easily adjusted and can be set for forming any desired size of cylinder in much less time than is required to set others. They are made with slip rolls, so that small work can be readily taken off from the ends. On No. 100 Former, with 2-inch rolls, cylinders can be formed from DXXX Tin as small as 2½ inches in diameter, and from X tin as small as 2½ inches. On the No. 200 Former, with 1½-inch rolls, pipe can be formed from DXXX tin as small as 2 inches in diameter, and from X tin 2¼ inches.

Code.	No.		
Lattazion.....	100	—Stove Pipe Former, 2-inch rolls, 30 inches long. Weight, 125 lbs.....	\$22.00
Latterink.....	200	—Stove Pipe Former, 1½-inch rolls, 30 inches long. Weight, 116 lbs.....	20.00

One in a case.

Shipping measurement of No. 100, 3¼ cubic feet.

Shipping measurement of No. 200, 3¼ cubic feet.

**STOW'S IMPROVED SLIP ROLL FORMING MACHINES.**

The Roller around which the work is formed is easily and quickly released from its journal, so that the formed work can be taken from the end of the roller and not sprung over it. This arrangement enables the operator to make the pipe more nearly perfect and to form even conductor pipe on a Stove Pipe Forming Machine. The Machine is complete in itself, being set on standards or legs.

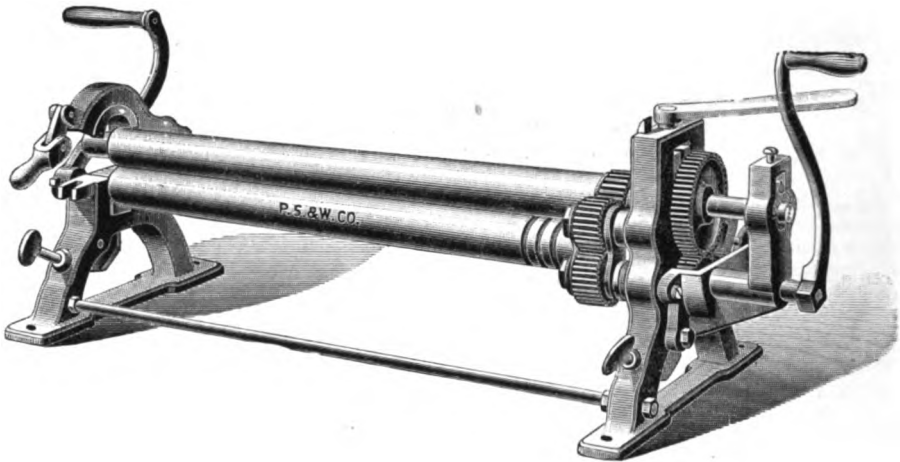
Code. No.

Lattifuge.....**10**—Stove Pipe Former, 2-inch rolls, 30 inches. Weight, 234 lbs ..... \$26.00

Packed in two cases; one case Former, one case legs.

Shipping weight Former, 175 lbs.; shipping measurement Former,  $2\frac{3}{4}$  cubic feet.

Shipping weight Legs, 85 lbs.; shipping measurement Legs,  $3\frac{5}{12}$  cubic feet.

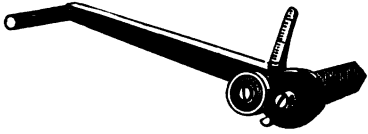
**SLIP ROLL FORMING MACHINES.**

No. 000.

These Formers have been especially constructed for forming tubing for hydraulic mining or water works, where the pressure demands extra heavy iron. They are so made that the roll around which the work is formed is easily raised and held in place, leaving the hands free to slip the formed pipe off the roll. These Formers are now made with compensating gear, as described on page 814, and will form cylinders not less than 12 inches in diameter from iron, as stated.

Code.	No.		
Lattigote.....	000	—Back geared 3 to 1, 3-inch slip rolls, 37 inches, will form No. 14 iron. Weight,	
		450 lbs.....	\$490 00

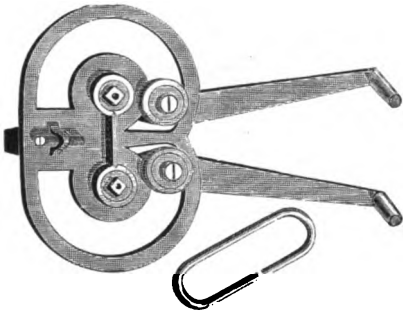
One in a case.



### MILLER'S WIRE BAIL FORMERS.

FOR FORMING WIRE BAILS FOR PAILS.

Code .....	Laubalta
Each.....	\$1.50
Weight each, lbs.....	2
Loose.	



### MILLER'S PATENT OVAL HANDLE FORMERS.

FOR FORMING OVAL RINGS OF WIRE.

An adjustable gauge enables the operator to form different size Handles.

Code.....	Laubarte
Each.....	\$3.00
Weight each, lbs.....	3
Loose.	



### BOSS FORMERS.

FOR FORMING HANDLE BRACES.

Code.....	Lauberhut
Each .....	\$1.50
Weight each, lbs.....	6
Loose.	

# **VAN BRAMER'S PATENT WIRE CUTTER AND BAIL FORMING MACHINES.**

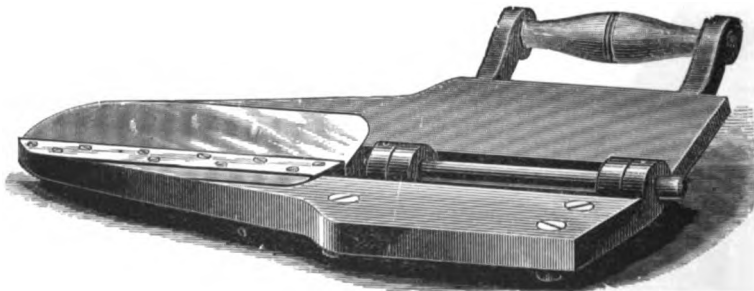


A simple, cheap, durable and economical Machine. It takes wire from the coil, and gauges and cuts it to the desired length. It cuts smoothly and easily  $\frac{1}{4}$ -inch wire, as well as all smaller sizes. It forms Bucket Bails with rapidity and accuracy. It saves the vexations experienced by every Tinsmith in the frequent breaking of Cutting Nippers.

Code.

Laubkelt.....Van Bramer's Wire Cutter and Bail Former. Weight, 30 lbs..... \$10.00  
Loose.

## **CAN TOP FOLDING MACHINES.**

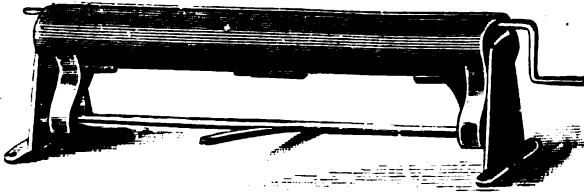


Code.

Laublime .....Can Top Folding Machine, for folding locks for tops of oil cans. Weight, 23 lbs..... \$8.00  
Loose.

**STOW'S PATENT CUTTER BEADERS.**

WITH STEEL RODS.

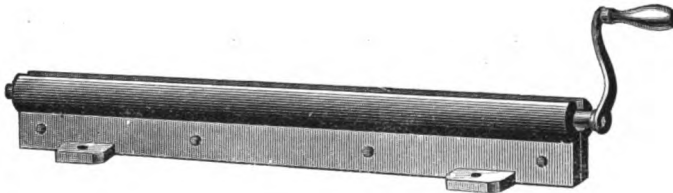


Code .....	Laubpalm	Laubstack	Laubwort	Lauchart
Numbers.....	<b>0</b>	<b>00</b>	<b>1</b>	<b>1½</b>
Length of rods, inches.....	30	30	20	20
Diameter of rods, inch.....	½	¾	¾	½
Weight each, lbs.....	66	66	30	30
Each.....	\$10.00	10.00	5.50	5.50
Shipping weight, lbs.....	85	85	45	45
Shipping measure each, cubic feet.....	.....	.....	1½ 12	1½ 12

One in a case.

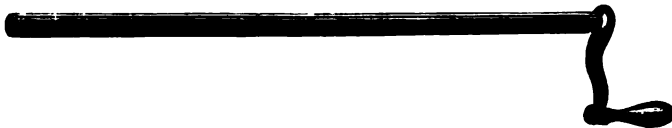
**IRON BOTTOM CUTTER BEADERS.**

WITH ENCLOSED RODS.



Code .....	Laudabam	Laudabund	Laudativo	Laudatori	Laudavera	Laudemist
Numbers.....	<b>02</b>	<b>08</b>	<b>11</b>	<b>11½</b>	<b>12</b>	<b>18</b>
Length of rods, inches.....	30	30	20	20	15	15
Diameter of rods, inch.....	½	¾	¾	½	¾	½
Weight each, lbs.....	18	18	11	11	6	6
Each.....	\$6.00	6.00	4.00	4.00	3.50	3.50

Loose.

**STEEL CUTTER RODS.**

Code .....	Laudicent	Laufband	Laufburst	Laufgrabe	Laufklot	Laufkuge
Numbers.....	<b>02</b>	<b>08</b>	<b>11</b>	<b>11½</b>	<b>12</b>	<b>18</b>
Length of rods, inches.....	30	30	20	20	15	15
Diameter of rods, inch.....	½	¾	¾	½	¾	½
Each.....	\$3.00	3.00	2.00	2.00	1.75	1.75

Loose.

**STOW'S SQUARING SHEARS.**

The illustration above represents Stow's Squaring Shears as they are now made, with top and side extension tables and patent quick-acting back gauge. They are also provided with front gauges and front extension arms, as shown above. The springs are now arranged with a set screw for regulating the tension and compensating for wear. Every Squaring Shear, when it leaves the factory, will cut wet tissue paper the whole length of the blade. A wrench is furnished with each Shear. The wire cast in the leg furnishes a pocket in which the wrench should be kept, so as to be always with the Shear and ready for use.

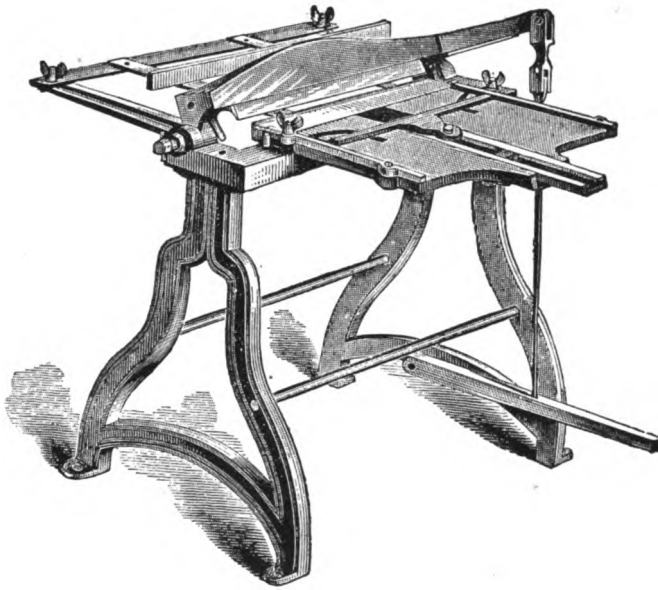
Code.	Numbers.	Length, Inches.	Will Cut Iron. Numbers.	Shipping Weight, Lbs.	Ship. Measurement, Cubic Feet.	Each
Laufleit.....	<b>120</b>	22	<b>20</b>	<b>380</b>	<b>11½</b>	<b>\$37.00</b>
Laufpasse.....	<b>180</b>	31	<b>18</b>	<b>555</b>	<b>17½</b>	<b>52.00</b>
Lauftrade.....	Extra blades for No. 120.....					Per pair, 9.00
Lauftruth.....	Extra blades for No. 180.....					12.00

Packed in two cases; one case Shears, one case Legs.



**WILCOX PATTERN SQUARING SHEARS.**

WITH IRON FRAMES.



These Shears will cut No. 16 iron.

Code.	Numbers.	Length, Inches.	Weight, Lbs.	Shipping Weight, Lbs.	Ship. Measurement, Cubic Feet.	Each.
Laufstück.....	<b>00</b>	37	700	860	13½	\$140.00
Laufvoge.....	<b>0</b>	30	650	820	13½	125.00
Laufzum.....	Extra blades for No. 00 .....					Per pair, 20.00
Laugenkort.....	Extra blades for No. 0 .....					16.00

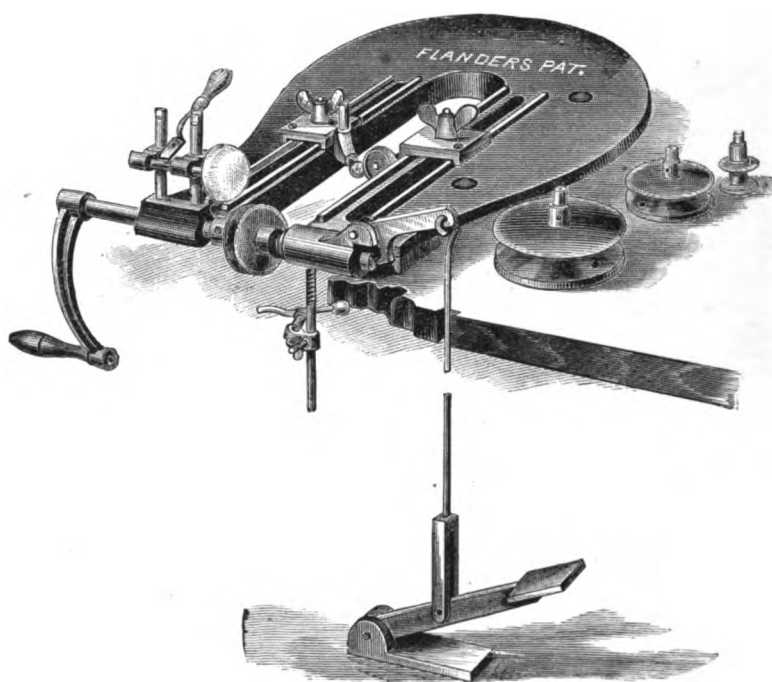
Packed in two cases; one case Shears, one case Legs.

No. 00 Shears packed, 650 lbs; Legs, 210 lbs.

No. 0 Shears packed, 610 lbs; Legs, 210 lbs.

## FLANDER'S PATENT CIRCULAR SHEARS.

FOR CUTTING TIN.



With four pairs of Discs—one pair each of  $1\frac{7}{8}$ , 3,  $4\frac{7}{8}$  and  $7\frac{7}{8}$  inches in diameter.

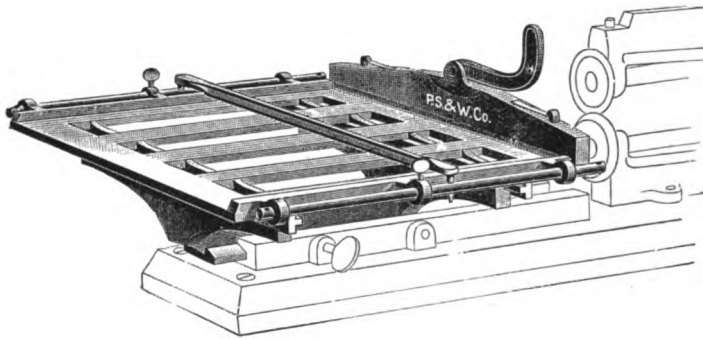
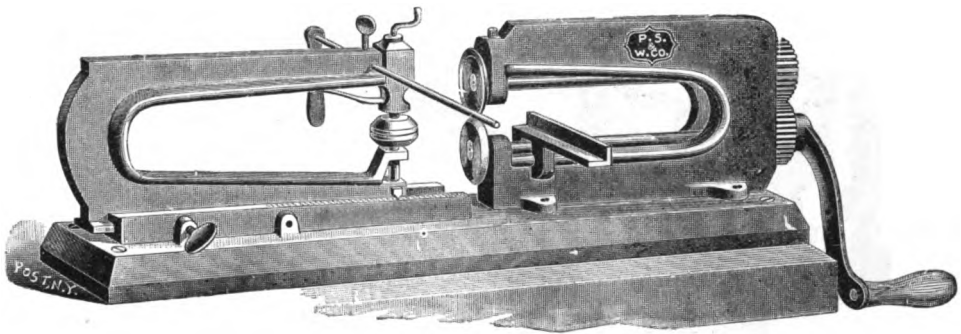
No. 1 will cut circles from  $2\frac{1}{2}$  to 23 inches in diameter.

Code.	No.	Weight, Lbs.	Each.
Laugoni .....	1—With Edge Turner.....	110	\$30.00
Laumeld.....	1—Without Edge Turner.....	100	25.00
Laundrit.....	Extra Discs for No. 1, $1\frac{7}{8}$ inches diameter.....	Per pair,	1.50
Lauragine.....	Extra Discs for No. 1, 3 inches diameter.....	"	1.50
Laureated.....	Extra Discs for No. 1, $4\frac{7}{8}$ inches diameter.....	"	1.50
Laurelias .....	Extra Discs for No. 1, $7\frac{7}{8}$ inches diameter.....	"	1.50
Laurentio.....	Extra Cutters for No. 1.....	"	1.50
Laurestina .....	Extra Cutter Stocks for No. 1.....	"	2.50
Lautament.....	Extra Edge Turner for No. 1.....		5.00

One in a case.

# WAUGH'S PATENT BEVEL, SQUARE AND CIRCULAR SHEARS.

FOR CUTTING TIN.



**Squaring Attachment.**

These Shears are widely known, and have won an enviable reputation. The Cutters are always set and ready for use. Each machine includes a Rim Gauge for cutting rims or cover hoops, bevel or straight.

No. 1 will cut any square or bevel under 20 inches.

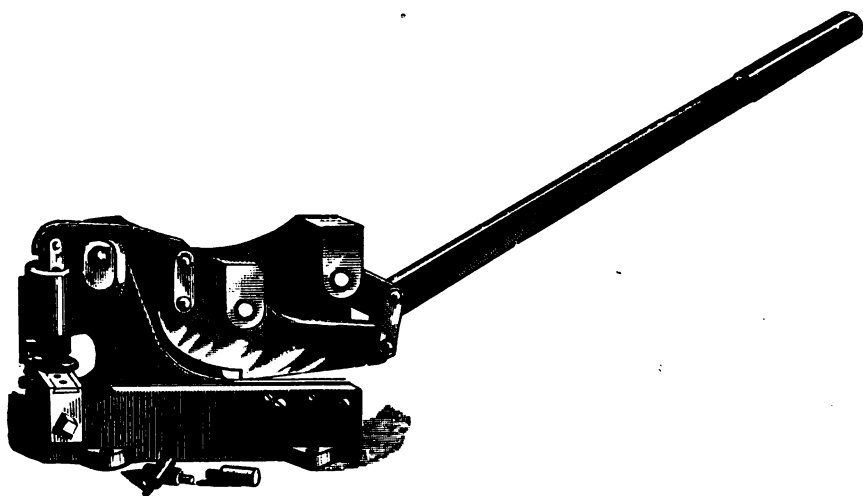
Code.	No.		
Lavabet.....	1	—Will cut circles 2¼ to 15 inches. Weight, 60 lbs.....	\$33.00
Lavacapis .....	1	—With Bevel and Squaring Attachment. Weight, 70 lbs.....	43.00

Packed in two cases; one case Shears, one case Squaring Attachment.

Shipping weight of Shears, 100 lbs. Shipping measurement, 2½ cubic feet.

Shipping weight of Squaring Attachment, 75 lbs. Shipping measurement, 2 cubic feet.

COMBINED SHEARS AND PUNCHES.



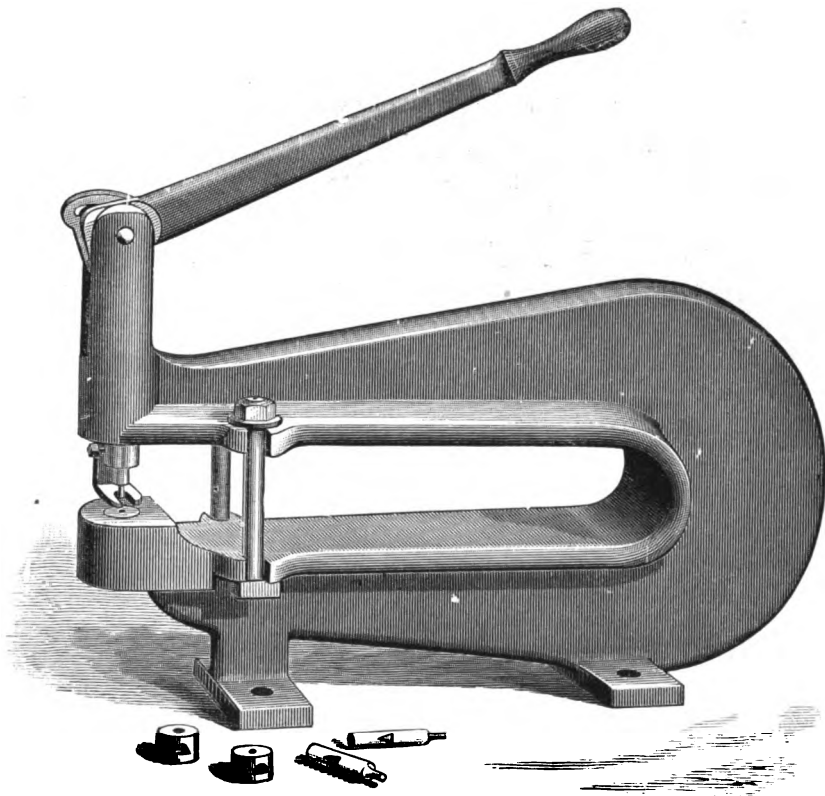
These machines are suitable for both cutting and punching metal. They may be used for cutting  $\frac{1}{8}$ -inch iron, and  $\frac{3}{16}$  and  $\frac{1}{4}$ -inch narrow bars. Four Punches are put up with No. 1, viz.:  $\frac{1}{8}$ ,  $\frac{3}{16}$ ,  $\frac{1}{4}$  and  $\frac{5}{16}$  inch. Five Punches are put up with No. 2, viz.:  $\frac{1}{8}$ ,  $\frac{3}{16}$ ,  $\frac{1}{4}$ ,  $\frac{5}{16}$  and  $\frac{3}{8}$  inch.

Code.	No.		
Lavadour.....	1	—Shear and Punch, $4\frac{1}{2}$ -inch cut, will punch $\frac{1}{8}$ -inch iron. Weight, 100 lbs.....	\$16.00
Lavafield.....	2	—Shear and Punch, $5\frac{1}{2}$ -inch cut, will punch $\frac{3}{16}$ -inch iron. Weight, 120 lbs.....	20.00
Lavaglass.....		Extra Punches for No. 1 punch.....	Each, .75
Lavandero.....		Extra Punches for No. 2 punch.....	" .75
Lavantibo.....		Extra Dies for No. 1 punch.....	" 1.25
Lavaprate.....		Extra Dies for No. 2 punch.....	" 1.25

One in a case.

**SAMSON PUNCHES.**

BOLT FASTENED. WROUGHT IRON LINKS.



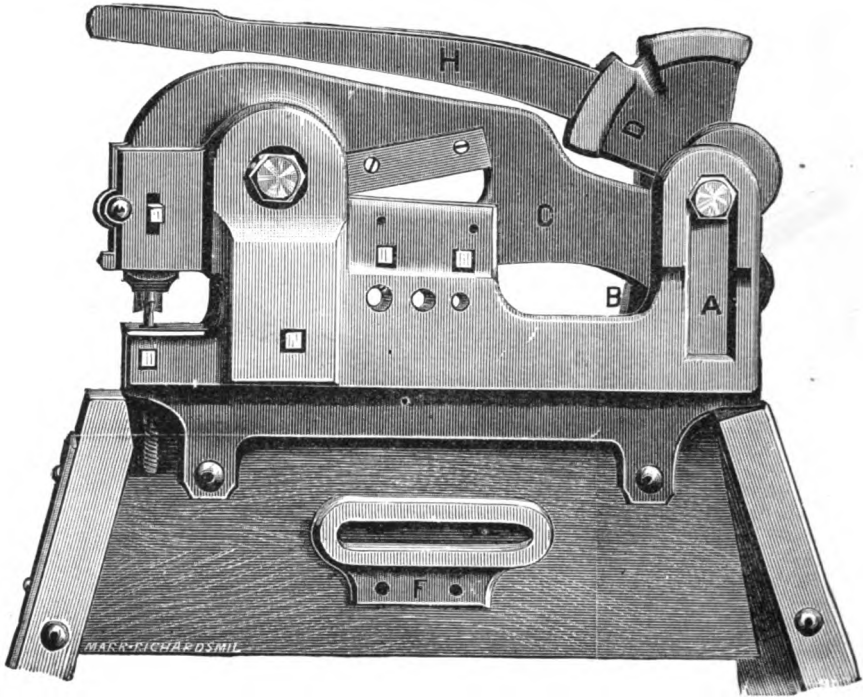
We warrant it to punch No. 9 iron with "stay bolts," and No. 12 without "stay bolts." Depth of gap, 15 inches; will centre on 30-inch sheets without "stay bolts," and 7-inch sheets with "stay bolts." Accompanying each Machine are three sets of Dies and Punches, viz.,  $\frac{1}{8}$ ,  $\frac{3}{16}$ , and  $\frac{1}{4}$  inch.

Code.		
Lavarind.....	No. 5—Improved Samson Punch. Weight, 95 lbs.....	Each, \$20.00
Lavasteen.....	Extra Punches for No. 5 Punch.....	" .75
Lavatures.....	Extra Dies for No. 5 Punch.....	" 1.25

One in case.

**DAVIS PATENT SHEARS AND PUNCHES.**

WITH LEVERS.

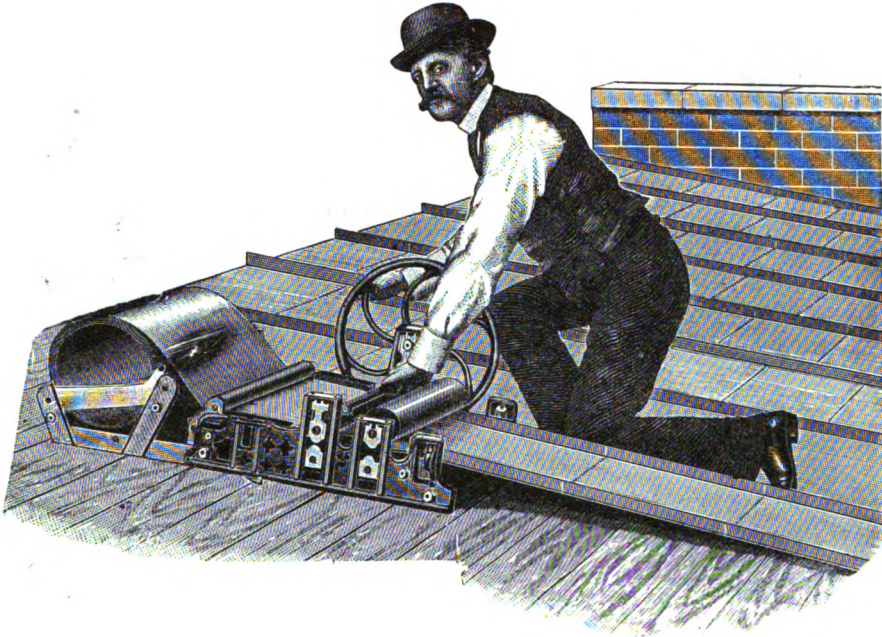


The Punch shown in front of the machine is as near perfect and complete as twenty years experience and the best skill can make it. It has four punches and dies to match— $\frac{1}{4}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$  and  $\frac{3}{4}$ . The dies are made of Swedes iron, faced with cast-steel, and are found by actual test to be the only die that will stand hard usage. The punches are made of the very best brands of cast or hammered steel; the machine has a sliding gauge directly back of the punch. The gauge can be set at any point from the punch back the entire length of the throat, that is, two and a half inches. The guards for taking the iron off the punch after it has been pressed through are most complete. They are independent of each other—can be set up or down at will and will fit on crooked or beveled-shaped iron. The punch from centre to out end or face of machine is three-fourths of one inch only, which makes it very desirable for angle or corner work. This machine will punch three-eighths-inch holes through one-half-inch iron—one-half-inch holes through three-eighths iron and do it very easily. The man while punching stands directly in front (not back) of the machine, so that he is directly at the working point and not six or eight feet away from his work, as is the case in all other machines. The light is perfect on the punch and not dark, as in most other machines. The Shear has two sets of blades, one for cutting flat and square iron, the other for round iron. It cuts flat iron from four to five inches wide—will cut three-eighths by four inch, one-half by three inch, five-eighths by two inches wide. It has three round knives for cutting round iron. It will cut a perfect round end, so that a die will run directly on it. It cuts all sizes of round iron from seven-eighths down to one-eighth inch. The Shear has a sliding gauge two feet long; can be set at any point up to one and three-quarters inch of the knives. The slide turns around the bar so that it fits all four cutting points in the machine. It has a guard directly in front of the long cutting blade seen in the cut (see guard below), through which all flat iron has to pass before and while being cut. The light is perfect on the cutting line, the man stands while cutting at the back end of the machine, and is where he can look directly on the cutting line; the machine holds its own iron, both round and flat, while being cut.

Code.....	Lavendule
No 6, with four Punches and Dies on wooden stand.....	\$50.00
Shipping weight, lbs.....	.....

**BELL'S PATENT ROOFING EDGERS.**

FOR STANDING-LOCK TIN ROOFING.



Reasons why they should be in the hands of every Tin Roofer.

1st. Every roof of one-twelfth pitch and upwards should have the Standing-Lock, as they can expand and contract without affecting the seam.

2d. The Edger does the work uniformly, turning both edges of the metal strip at once which prevents it from running out of a straight line.

3d. The flanged rollers give gradual form to the metal, consequently the tin does not crack at the cross seams as it often does when tongs are used.

4th. Bell's Edger will work on any and every desired pitch, as the machine while being operated, is in a stationary position at the upper part of the roof, while the metal is being turned through and between flanged rollers. But the machine is light and easily moved from one part of the roof to the other.

5th. The guides at the entrance way are adjustable and so direct the metal strips to the required gauge that any boy can operate the machine equally as well as a skilled workman.

6th. The work is completed by one passage through the machine, while a workman with tongs is required to go Four times over the metal strip, and the Edger will do it in one-quarter of the time.

7th. A great saving of time. Bell's Improved Roofing Edger does the work with great rapidity and at the same time the work is made easy, and one man or boy will do the work, while with common tongs, two men are required.

**417 Square Feet of Roofing in 21 Minutes.**

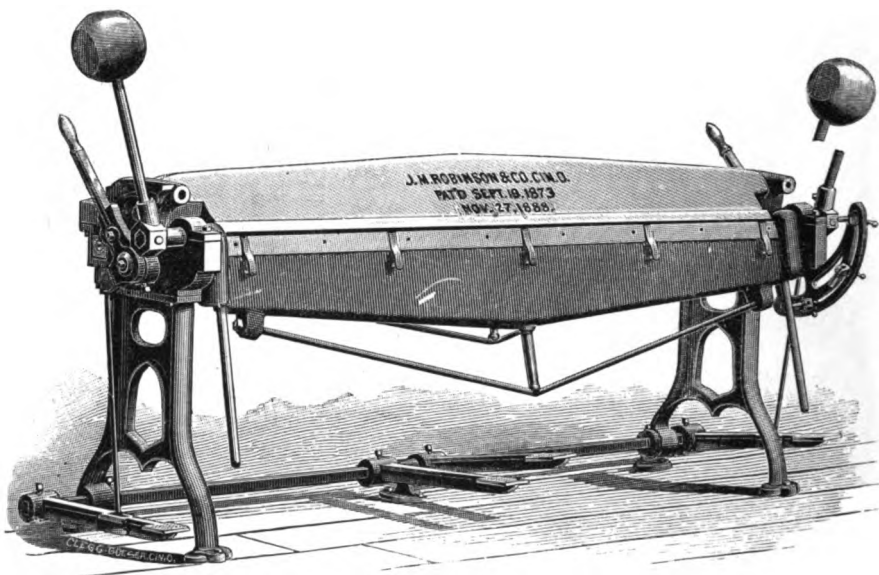
One man with a boy helper tested the Edger upon a roof. He first cut from the rolls of tin 24 strips, the required length for the roof, which was by actual measurement less than 12 feet for each course, (which, it will be observed, is a greater test for the Edger than if the strips had been long ones).

The whole time consumed in getting correct lengths, and of cutting and running the 24 courses through the Edger was 21 minutes. He also locked on five different times the odd strips at the end of each roll.

The 24 courses laid 417 square feet of roofing; all of above accomplished in 21 minutes.

Code .....	Laverone	Lavished
Numbers.....	<b>1</b>	<b>2</b>
Lock .....	Common	Wide
Turns edges, inches.....	1 & 1 1/4	1 1/4 & 1 1/2
Width between adjustable guides, inches.....	20	20
Each.....	\$30.00	30.00
Weight packed, pounds.....	110	110
Shipping measure, cubic feet.....	5 1/4	5 1/4

One in a case.



**ROBINSON'S IMPROVED DOUBLE ECCENTRIC  
CORNICE BRAKES.**

CAST IRON FACED WITH STEEL WHERE NECESSARY.

Each brake is furnished with 2½-inch, 2-inch, 1½-inch and 1¼-inch wooden formers, ¾-inch, 7⁄8-inch and 1-inch iron formers and Improved Friction Clamps, by means of which the formers can be easily and quickly attached and detached.

**A Quadrant Gauge**, with **three adjustable Stops**, working independently, is attached to the body of the brake; this enables the operator to form bends of various angles without consuming valuable time in adjusting a stop for every angle formed.

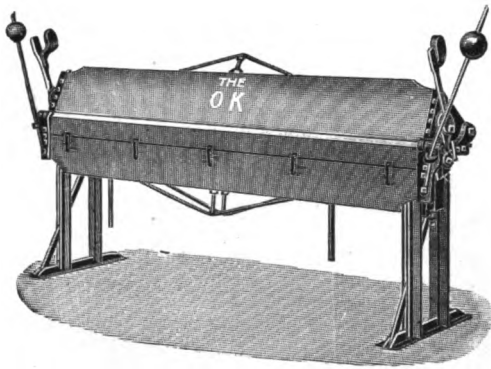
**An Improved Clamping Device**, in combination with the eccentrics, enables the operator to clamp the material with very little exertion and no fear of slipping while forming the same into mouldings or corrugations; the treadles and handles are so arranged that the workman can clamp or release his work by the foot or the hand, without changing his position; no adjustment as to clamping of either jaw is required when changing from one thickness of material to another.

Nos. 20 and 18 gauge sheets can be handled on this machine.

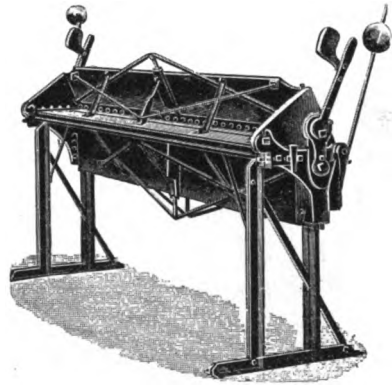
Code.....	Lavorator	Lavotcase	Lawgiven	Laxabent	Laxamento
Size, inches.....	36	48	72	96	120
Length of clamp, inches.....	37	51	75	97	121
Opening between top and bottom clamps, inches.....	¾	¾	1¼	1¼	1¼
Each.....	\$56.00	87.50	120.00	180.00	.....
Weight each, lbs.....	600	1160	2100	3000	4000

If shipped partially knocked down and boxed, extra charge for boxing.  
For shipment from factory only. Write for special catalogue of cornice brakes.



**O. K. STEEL CORNICE BRAKES.**

Front View.



Rear View.

They are made of Bessemer steel and are far superior to any other made. It takes cast-iron brakes of three times the weight to equal their strength. Comparative cost is only one-half.

The working parts are very simple, easy, quick-acting and durable. Balance weights are attached to levers to allow the upper jaws to be raised without danger of falling shut by its own weight, while the workman may use both hands to handle material. They close with eccentric levers on dead center and will not spring open while forming, so treadles become useless and in the way. The jaws open from 1 to  $1\frac{3}{4}$  inches respectively. The open space back of the forming edge is from  $1\frac{1}{2}$  to 2 inches. They are easily adjusted to form sharp or rounding corners, light or heavy material, by means of wedge and set screws on ends. To adjust jaw-connecting link, an eccentric brushing in lower part is used. The brake opens separately on each end, which makes it very convenient for one man working full sheets. (Forming material shorter than full length of brake, only one end is used, closing down far enough to hold farther mark firm, while shifting other end of material in place.) This saves much time and makes accurate work, as it is difficult and slow to catch marks on both ends at the same time, although this brake is constructed so both eccentric levers may be connected, if desired. They are light and easy to transport, can be taken apart in three pieces or put together in a few minutes. Low freight charges and many other advantages are embodied in this up-to-date machine.

Code .....	Laxandori	Laxation	Laxatura	Laxidato	Laxmanner
Numbers.....	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Length of forming edge, inches.....	121	97	97	48½	48½
Each.....	\$250.00	150.00	100.00	75.00	60.00
Weight each, lbs.....	2400	1500	1000	.....	.....

Above prices include five formers. Nos. 2, 3 and 4 have single bar bolted on apron for forming heavy material.

No. 2 will form  $\frac{3}{4}$ -inch edge on 16 gauge,  $\frac{1}{4}$ -inch on 26 gauge.

No. 3 will form  $\frac{3}{4}$ -inch edge on 16 gauge,  $\frac{1}{4}$ -inch on 24 gauge.

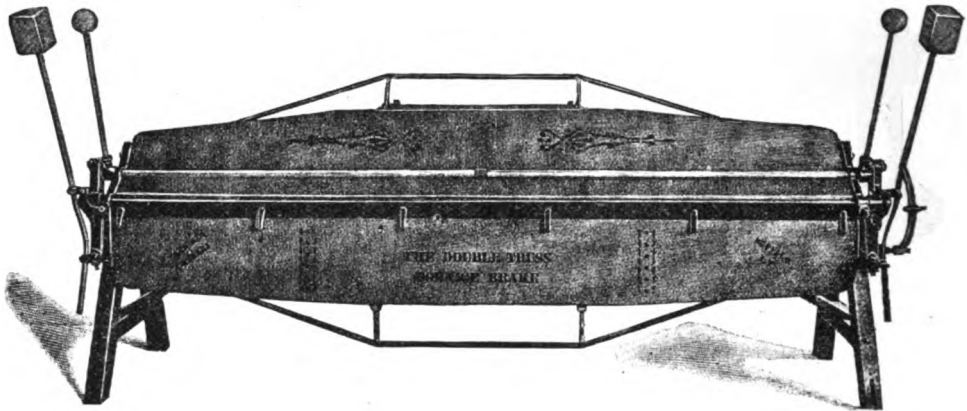
No. 4 will form  $\frac{1}{4}$ -inch edge on 26 gauge,  $\frac{3}{8}$ -inch on 22 gauge, or  $\frac{1}{4}$ -inch on 18 gauge.

No. 5 will form 1-inch edge on 14 gauge.

No. 6 will form  $\frac{3}{4}$ -inch edge on 16 gauge,  $\frac{1}{4}$ -inch on 24 gauge.

For shipment from factory only. Write for special catalogue of Cornice Brakes.

## THE LATEST IMPROVED DOUBLE TRUSS CORNICE BRAKE.



This Brake is operated on the same principle and does the same work, both in quality and quantity, as the all-iron brakes.

The main portion of this Brake is made of good, hard, bone-dry maple timber.

The parts subject to wear or strain are thoroughly protected and strengthened by steel and iron in the most substantial manner. Each jaw or leaf is strongly trussed with a patent "Double Truss" system, with which extra tension may be applied to the central part of each leaf, either on front or rear edge; this device is very valuable, as it prevents the jaws from being ruined by any overstrain.

The bending edge of each leaf is faced with a steel bar planed off true.

Heavy steel castings are accurately fitted and driven on to the ends of each member, which protects the wood from checking or warping, and the truss rods project through these cast steel end pieces, which form a solid support for the rods against the end grain of the wood.

The upper and lower jaws are reinforced by a stout rib; each rib is supported on rear side by cast-iron brackets. The bearings for each member are formed solid on the cast steel end pieces.

**The New Clamping Device** raises the upper jaw  $2\frac{3}{4}$  inches, giving ample room to insert the work over the formers on front leaf. The clamping levers at each end of Brake are connected by a steel shaft extending full length of machine.

**The Swing Quadrant Gauge** is very handy, as it may be used either at the front or rear of machine, and is easily swung out of the way when not required.

This machine will bend or form sheet metal to almost any angle or curve, or any combination of angles or curves, not only on the edge of the material, but at any distance from the edge, either crosswise or lengthwise of the sheet.

Code .....	Lazarent	Lazarino	Lazeroles
Size, inches.....	<b>72</b>	<b>96</b>	<b>120</b>
Length of forming edge, inches.....	73	97	121
Each .....	\$85.00	115.00	145.00
Weight each on skids, lbs.....	650	850	1200
Weight each boxed, lbs.....	750	1000	1400

Above sizes have  $\frac{3}{8}$ -inch edge on bending leaf.

Each Brake is shipped with six half-round formers, for forming circular bends from 1 inch to  $2\frac{1}{2}$  inches diameter; also a stiffening bar for front leaf.

Guaranteed to bend No. 22 gauge iron or lighter, straight and true, full length of machine.

For shipment from factory only. Write for special catalogue of Cornice Brakes.

**MACHINE PARTS.**

We give below prices for odd parts of Machines which we are frequently asked to furnish.

Encased and Columbian Machines are the only ones for which we can furnish duplicate parts, and should be ordered by the letters or figures in our catalogue, or stamped upon the part itself.

We do, however, sometimes (but always at the risk of the purchaser) undertake to supply parts to other machines, when the old part for which a new part is wanted is sent us.

When ordering new Cog Wheels for Forming Machines, the diameter of the wheel and hole should be given, and the length or thickness of the wheel measured through the hole or center.

**Encased and Brass Mounted Grooving Machines.**

Code.		
*Lazulite .....	Horn .....	\$4.50
*Lazzarette.....	Crank .....	.50
*Leafinet. ....	Brass Ears.....	Each, 1.00
*Leaguer .....	Spring and Friction Roll.....	.75
*Lealdaco.....	Bolt and Nut for stand .....	.25
*Lealissim .....	Bolt and Nut for roll .....	.25
*Leandrico .....	Frame for brass mounted .....	6.50
*Leanitas .....	Top Casting for brass mounted.....	3.25

**Grannis' Grooving Machines.**

*Leasown .....	Latch .....	.50
*Leavened .....	Lower Bar for No. 11 .....	2.75
*Lebadent .....	Lower Bar for No. 12 .....	3.00
*Lebensad.....	Rollers .....	Each, .75

**Stove Pipe Crimper and Beader No. 7.**

Lebenshot .....	Part S. Hexagon Nut for crank .....	.15
Leberalo.....	Part No. 5. Crimping Rolls .....	Each, 1.25
Lebergalt .....	Part No. 6. Ogee Rolls.....	" 1.00
*Leberwurt .....	Part No. 7. Flange Hexagon Nuts .....	" .15
*Lebronest .....	Part No. 11. Crank Screw .....	.40
*Lecanact .....	Part No. 13. Upper Journal Screw.....	.15
Lecanorin.....	Part No. 14. Collars to substitute for ogee rolls .....	Each, .30
*Leccando .....	Part No. 15. Cast Frame for lower journals.....	" 2.00
*Lecchere .....	Part No. 16. Cast Frame for upper journals.....	" 1.00
*Lechidio.....	Part No. 17. Lower Shaft.....	" .75
*Lechugad.....	Part No. 18. Upper Shaft.....	" .75
*Leckermal .....	Part No. 19. Crank Shaft.....	" .50
Leckstun.....	Part No. 20. Crank.....	.50
Lectarem .....	Part No. 21. Gauge .....	.50
*Lectavero .....	Part No. 22. Gauge Screw.....	.15
*Lectionar .....	Part No. 23. Pinion .....	.50
Lectorado.....	Part No. 24. Intermediate Gear.....	Each, .35
*Lectured.....	Part No. 25. Gear .....	" .25
*Ledebrak .....	Part No. 26. Lower Shaft Spring.....	" .05

**Beading Machines.**

Lederblum.....	Gauges, for Nos. 1, 2 and 3.....	Each, 1.00
*Ledergelt .....	Gauge Screws .....	.25
*Lederigg .....	Gears, for Nos. 1, 2 and 3.....	Per pair, 1.50
Ledermask.....	Gears, for Nos. 4 and 5 .....	" 1.20
*Ledersoph.....	Pinion .....	.75
Leefregel .....	Rods (two).....	Per set, .50
*Leemacht .....	Loop .....	.30
*Leerbeg .....	Nuts for end of roll.....	Each, .25
*Leerkeve.....	Yoke .....	.25
Leerkoop.....	Cranks .....	Each, .50
*Leestafe .....	Crank Shaft for No. 4 .....	2.00
Leeward.....	Frame and Top for No. 4 .....	4.00
*Legacy .....	Journal Boxes .....	Each, .25
*Legalite .....	Cap Screws.....	" .15

\*Not carried in stock; furnished from factory only.

**MACHINE PARTS.****Moore's Double Seaming Machines.**

Code.		
Legalment.....	Thin Steel Wheel.....	\$0.75
Legatario.....	Crank Screw.....	.40
Legendary.....	Yoke.....	.55
Legerhoof.....	Gauge.....	.70
Legifero.....	Gears.....	Per pair, 1.20
*Legitando.....	Spring.....	.10

**Olmsted's Double Seaming Machines.**

*Legniped.....	Part A. Upright.....	2.00
*Leguleco.....	Part B. Disc Holder.....	1.00
Lehabita.....	Part C Setting Down Roll.....	2.50
*Lehnade.....	Part D. Crank Screw.....	.40
*Lehrbilt.....	Part E. Lever.....	3.00
*Lehrkend.....	Arbor.....	1.50
*Lehrkrate.....	Bottom.....	3.00
*Lehrmitte.....	Step.....	.50
*Lehrplan.....	Front Head.....	1.00
*Lehrsatz.....	Brass Top Plate.....	1.25
*Lehrschul.....	Spindle.....	.75
*Lehrstund.....	Head.....	2.50
*Lehrsyste.....	Set of Boxes (three).....	Per set, .50
*Lehrtone.....	Bed Plate.....	2.00
*Leibang.....	Pin.....	.50
*Leibdien.....	Socket for Stand.....	1.50
*Leibfrom.....	Treadle and Rod.....	1.00

**Hulbert's Double Seaming Machines.**

Leibgelt.....	Part C.....	2.50
*Leibgurte.....	Part D.....	1.50
*Leiblicht.....	Part F.....	.50
Leibschir.....	Part G.....	1.00
*Leichdor.....	Part I.....	2.50
*Leichkort.....	Part J.....	.75
*Leidbitte.....	Part L.....	.50
*Leidfrau.....	Part P.....	1.00
*Leidmanne.....	Part Q.....	.50
*Leidvollen.....	Part R.....	3.00
*Leidwese.....	Part T.....	.25
*Leiklein.....	Part V.....	1.00
*Leiknade.....	Part W.....	1.00

**Stove and Tin Pipe Formers.**

*Leimahor.....	Cast Gear or Cogs.....	Per pair, .50
*Leimbien.....	Cut Steel Gear or Cogs.....	" 1.00
*Leimkesse.....	Thumb Screws (set of four).....	Per set, 2.00
*Leimtop.....	Boxes.....	" 1.00
*Leimzuch.....	Cranks.....	Each, .50
*Leinbode.....	Lever.....	.35
*Leisure.....	Cam.....	.10

**Van Bramer's Patent Wire Cutters.**

*Leitbank.....	Gauge.....	.50
Leitfade.....	Spring.....	.25
*Leitfaehr.....	Cutter.....	.50
*Lembardo.....	Circle (three sections).....	2.25
*Lembules.....	Bed Plate.....	3.00
*Lementaco.....	Handle.....	.25
*Lennmatibo.....	Gauge Plate.....	.75

\* Not carried in stock; furnished from factory only.

**MACHINE PARTS.****Wright's Sheet Iron Folders.**

Code.

*Lemodipo.....	Upper or Lower Hinge Bar.....	Each,	\$3.00
Lemopires.....	Steel Folding Plate.....		4.00
Lemuralis.....	Set Screws.....	Each,	.15
Lenadore.....	Gauge.....		.50
*Lendinest.....	Legs.....	Per pair,	3.00
*Lengueta.....	Leg Bolts.....	Each,	.25
Leniendo.....	Handle.....		.75
*Lenificate.....	Handle Bolts.....	Each,	.25

**Stow's Patent Gutter Beaders.**

*Lenigster.....	Jaw or Wing.....		2.00
*Lenitudin.....	Frame.....		1.00
*Lentament.....	Lever.....		1.00

**Squaring Shears. 20 and 30-Inch.**

Lentavist.....	Part A. Long Front Gauges.....	Each,	.70
Lenteblum.....	Part B. Bolt and Nut for Gauge.....		.15
Lenticels.....	Part C. Short Front Gauges.....	Each,	.20
Lentidan.....	Part D. Front Arms.....	"	.75
Lentipede.....	Part EE. Side Springs.....	"	.70
Lenzmorg.....	Part F. Side Castings.....	Per set,	3.00
Leokrate.....	Part G. Back Gauges.....	Each,	.70
Leonade.....	Part H. Back Gauge Adjusters.....	"	1.00
Leonculos.....	Part J. Back Arms.....	"	.70
*Leonori.....	Part K. Connecting Rods.....	"	1.00
*Leontiad.....	Part L. Treadle.....		3.00
*Leoparda.....	Legs.....	Each,	3.00
Leophane.....	Turnbuckles.....	"	.40
*Lepantis.....	Bed for 20-inch.....		8.00
*Lepechin.....	Bed for 30-inch.....		10.00
*Lepidana.....	Gate or Stock for 20-inch.....		5.00
*Lepidofo.....	Gate or Stock for 30-inch.....		6.00
Lepidulo.....	Grinding Blades.....	Per pair,	1.75
*Lepiselin.....	Bolts for Lower Blade.....	Per set,	.50
*Lepistaro.....	Screws for Upper Blade.....	"	.40
Lepontica.....	Back Arms, with Back Gauge.....	"	3.00

**Flander's Circular Shears.**

*Leptiford.....	Gauge, with Rod.....		.75
Leptolisa.....	Bolts for Cutter Stocks.....	Per pair,	.50
Lerdamen.....	Plug.....		.50

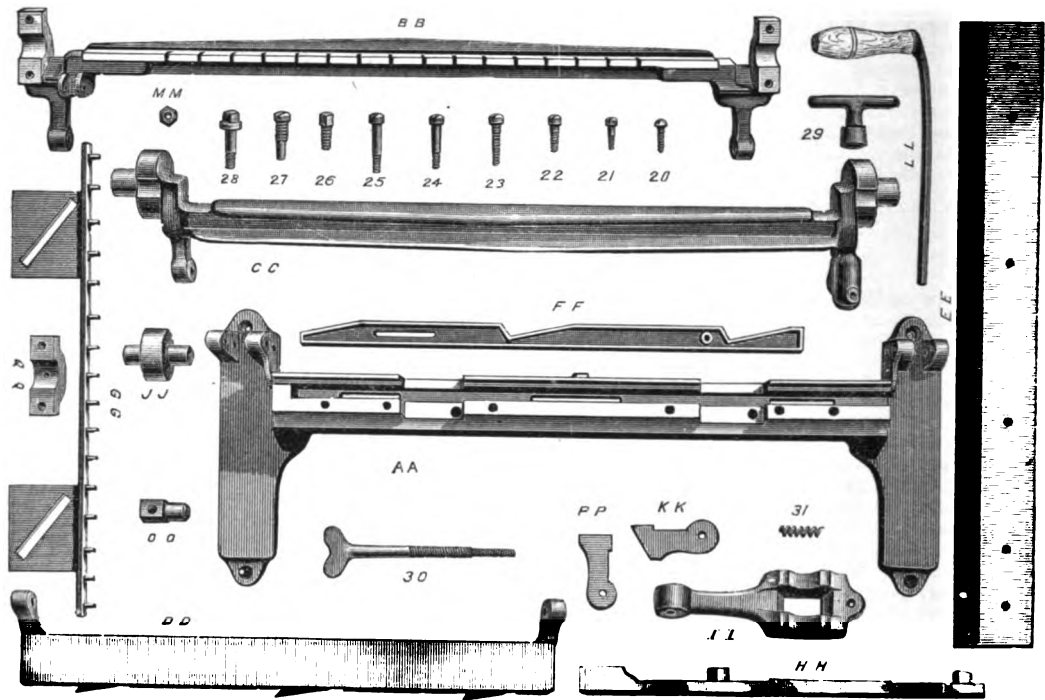
**Waugh's Rotary Shears, Nos. 1 and 2.**

Lesefruct.....	Cutters and Arbors.....	Per pair,	5.00
*Lessenard.....	Bed.....		6.00
*Letabunt.....	Gears.....	Per pair,	1.25
*Letamaro.....	Upper Box.....		.25
*Letaminas.....	Head.....		4.00
*Lethalide.....	Arm.....		3.00
*Lethargo.....	Crank.....		.50
*Letradist.....	Slitting and Circle Gauge.....		.50
*Letterborn.....	Sliding Gauge.....		.25
*Leucograf.....	Back Gauge.....		.25
*Levantaro.....	Gauge Screw.....		.50

\*Not carried in stock; furnished from factory only.

• INTERCHANGEABLE PARTS.

FOR STOW'S ADJUSTABLE BAR FOLDERS, Nos. 52, 152, 54 AND 154.



For Nos. 52 and 152 Folders.

Code.			Code.		
*Levantine	AA.	Frame	Lexidior	II.	Shoe
*Leverboth	BB.	Jaw	*Lexigraph	JJ.	Friction Roller
*Leverleap	CC.	Bar	*Lezarden	KK.	Stop
Leverporte	DD.	Wing for Bar	Liaculist	LL.	Handle
Levianim	EE.	Blade	*Liancaro	MM.	Set Nut for Screw No. 23.
Levident	FF.	Wedge	Liandaris	OO.	Nut for Gauge Screw
Levipedo	GG.	Gauge	Liardeux	PP.	Stop
Leviticus	HH.	Slide	*Libabite	QQ.	Cap

Screws.

Libandor	No. 20.	Wedge Screw	Liberando	No. 26.	H'dle Gauge Set Screw
Libations	No. 21.	Stop Screw	Liberate	No. 27.	Wing Screw
Libaturo	No. 22.	Cap Screw	Libertine	No. 28.	Wedge Screw
Libelato	No. 23.	Shoe Set Screw	Librament	No. 29.	Wrench
Libellent	No. 24.	Blade Screw	Librature	No. 30.	Gauge Screw
Liberalist	No. 25.	Frame Screw	Libripend	No. 31.	Gauge Springs, per pair

For Nos. 54 and 154 Folders.

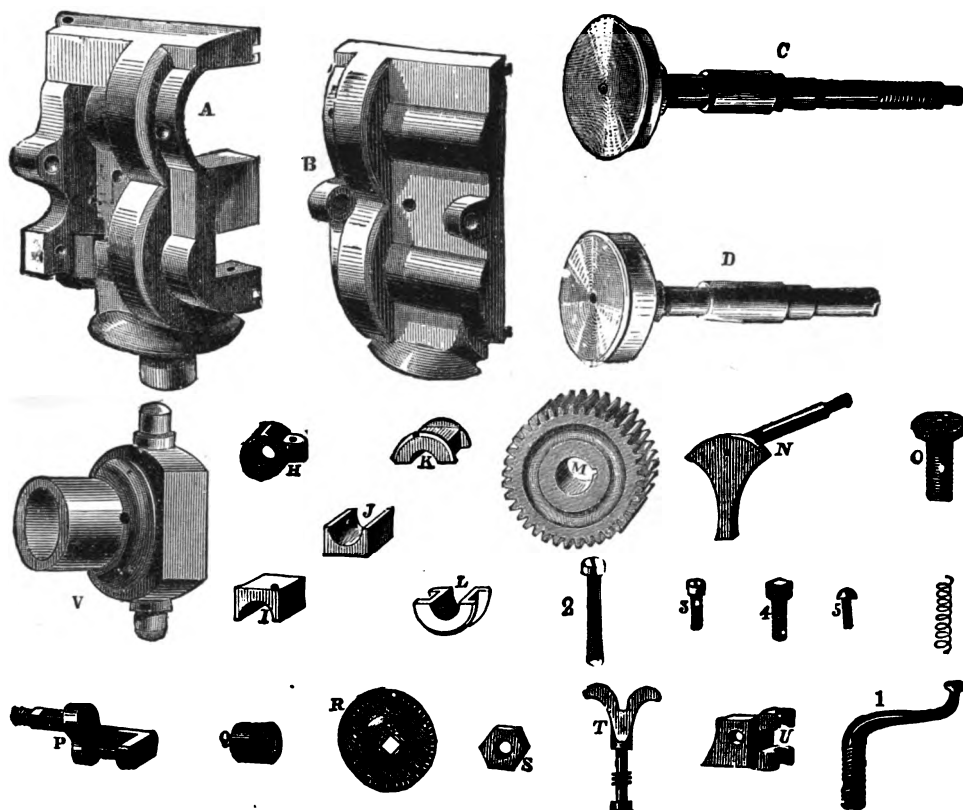
*Liburnato	AA.	Frame	Lichter	DD.	Wing for Bar
*Licenzior	BB.	Jaw	Lichgeld	EE.	Blade
*Lichamend	CC.	Bar	Lichtwage	GG.	Gauge

Other parts same as No. 52 and 152 Folders.

\*Not carried in stock; furnished from factory only.

**INTERCHANGEABLE PARTS.**

FOR STOW'S ENCASED AND COLUMBIAN WIRING MACHINES.

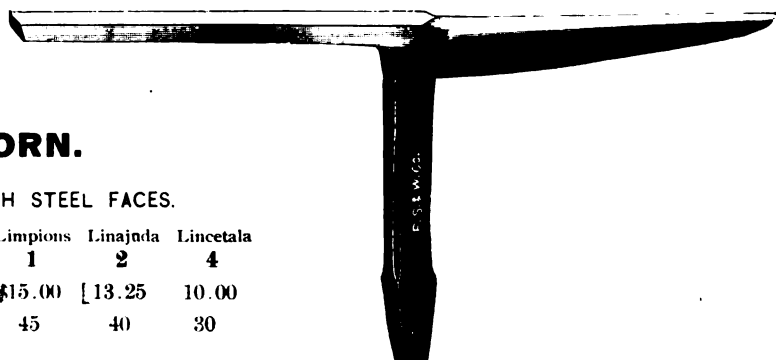
**For Encased and Columbian Wiring Machines.**

Code.			Code.		
*Licherite.....A.	Frame .....	\$2.50	Lightener.....S.	Forming Gauge Nut for Wir-	
Lidmate.....B.	Cap .....	1.50		ing Machine.....	\$0.25
Lidrote.....C.	Upper Roller.....	2.50	Lignabit.....T.	Worm Gear Screw.....	.75
Liedcher.....D.	Lower Roller.....	2.50	Lignario.....U.	Worm Gear Screw Holder..	.25
Liederbute.....H.	Clasp Nut.....	.60	Lignifero.....V.	Rocking Box.....	1.50
*Lieferb.....I.	Front Upper Box for Upper		Lignipart.....No. 1.	Crank Screw.....	.40
	Roller .....	.25	Lilipute.....No. 2.	Cap Screw.....	.15
*Lierkoep.....J.	Front Lower Box for Upper		*Limaberi.....No. 3.	Lower Box Screw.....	.10
	Roller .....	.25	Limabord.....No. 4.	Worm Gear Screw Holder	
Lierspell.....K.	Front and Back Top Boxes			Bolt .....	.15
	for Lower Roller .....	.25	Limacode.....No. 5.	Clasp Nut Screw.....	.15
*Liervorm.....L.	Front and Back Lower Boxes		*Limbeck.....Spring .....		.10
	for Lower Roller .....	.25	Limiform.....Set Nut for Part O.....		.10
Lifewear.....M.	Gear .....	.60	Limiters.....Faces only for Setting Down Ma-		1.25
Liflade.....N.	Sliding Gauge.....	1.25	Limocinto.....Gears for Faces.....		.50
Ligadunt.....O.	Sliding Gauge Nut .....	.75	Limospor.....Shaft for Faces.....		1.25
Ligament.....P.	Forming Gauge for Wiring		*Limpanient.....Top Plate for Setting Down Ma-		1.25
	Machine .....	.75		chine.....	
Ligarian.....Q.	Forming Gauge Roller for		*Limpidate.....Lower Post or Stand for Encased		2.00
	Wiring Machine.....	.25		Setting Down Machine.....	
Ligature.....R.	Forming Gauge Worm Gear				
	for Wiring Machine.....	1.00			

The corresponding parts of other machines in the set bear the same letters or figures as far down as the letter O; also Rocking Box V. Those bearing the letters from P to U, inclusive, are found only in the Wiring Machine.

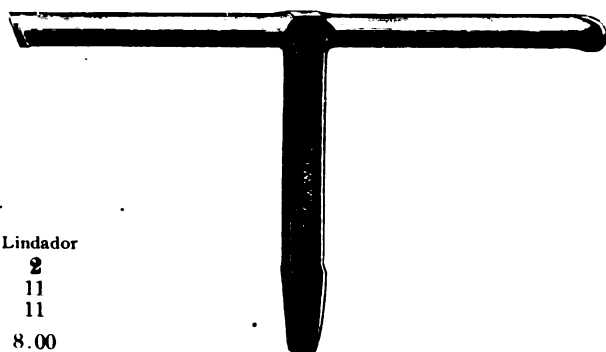
The above prices apply to parts of all Encased and Columbian Machines.

\*Not carried in stock; furnished from factory only.

**TINNERS' STAKES.****BEAKHORN.**

WROUGHT IRON. WITH STEEL FACES.

Code.....	Limpions	Linajoda	Lincetala
Numbers.....	<b>1</b>	<b>2</b>	<b>4</b>
Each.....	\$15.00	13.25	10.00
Weight each, lbs.....	45	40	30

**DOUBLE SEAMING.**

WROUGHT IRON. WITH STEEL FACES.

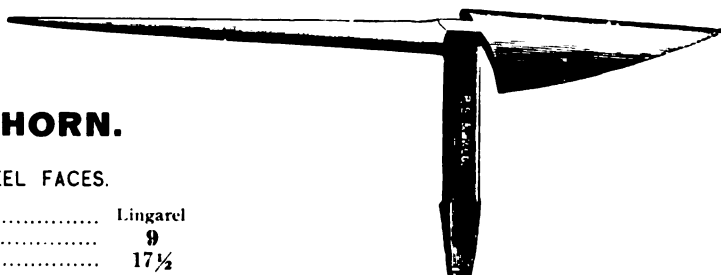
Code.....	Linctura	Lindador
Numbers.....	<b>1</b>	<b>2</b>
Large end, inches.....	17	11
Small end, inches.....	12	11
Each.....	\$9.00	8.00
Weight each, lbs.....	34	29

**CONDUCTOR.**

No. 0. WROUGHT IRON. WITH STEEL FACES.

Nos. 1 AND 2. CAST IRON. WITH POLISHED FACES.

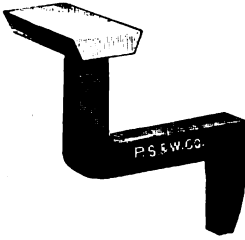
Code.....	Linealum	Lineate	Linfarde
Numbers.....	<b>0</b>	<b>1</b>	<b>2</b>
Large end, inches.....	14	15	14
Small end, inches.....	14	11 1/2	10
Each.....	\$3.00	4.00	3.00
Weight each, lbs.....	27	35	25

**COMMON BLOWHORN.**

WROUGHT IRON. WITH STEEL FACES.

Code.....	Lingarel
Large end, inches.....	<b>9</b>
Small end, inches.....	17 1/2
Each.....	\$5.00
Weight each, lbs.....	19



**TINNERS' STAKES.****BEVEL EDGE SQUARE.**

WROUGHT IRON. WITH STEEL FACES.

Code.....	Lingered	Lingotera
Numbers.....	<b>1</b>	<b>2</b>
Face, inches.....	3x5	2½x4½
Each.....	\$3.00	5.00
Weight each, lbs.....	15	13

**CREASING WITH HORN.**

WROUGHT IRON. WITH STEEL FACES.

Code.....	Linguard
Round end, inches.....	<b>9½</b>
Flat end, inches.....	<b>6½</b>
Each .....	\$4.50
Weight each, lbs.....	12½

**COMMON CREASING.**

WROUGHT IRON. WITH STEEL FACES.

Code.....	Linguist
Length inches.....	<b>14½</b>
Each .....	\$4.00
Weight each, lbs.....	12½

**COPPERSMITHS' SQUARE.**

WROUGHT IRON. WITH STEEL FACES.

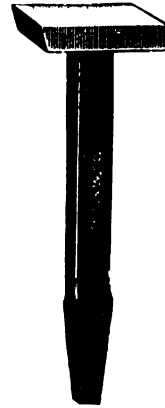
Code.....	Linigerus
Face, inches.....	<b>2½x4½</b>
Each.....	\$3.50
Weight each, lbs.....	11

**TINNERS' STAKES.**

**LARGE SQUARE.**

WROUGHT IRON. WITH STEEL FACES.

Code.....	Liniment
Face, inches.....	8½ x 5½
Each .....	\$7.00
Weight each, lbs.....	14



**BOTTOM.**

WROUGHT IRON. WITH STEEL FACES.

Code.....	Linkist	Linksafe
Numbers.....	1	2
Width, inches.....	1¾	1½
Each.....	\$1.00	.80
Weight each, lbs.....	4	3



**BATH TUB.**

CAST IRON. WITH POLISHED FACES.

Code.....	Linodell
Each.....	\$1.25
Weight each, lbs.....	12



**TINNERS' STAKES.****ROUND HEAD.**

CAST IRON. WITH POLISHED FACES.

Code.....	Linostem
Each.....	\$1.25
Weight each, lbs.....	11

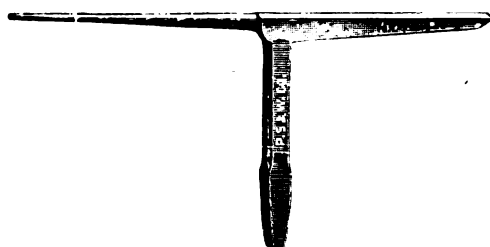
**HATCHET.**

WROUGHT IRON. WITH STEEL FACES.

Code.....	Linquibar	Linquiste	Linscotch
Numbers.....	1	2	8
Blade, inches.....	16	14½	13
Each.....	\$5.00	4.25	3.50
Weight each, lbs.....	14	12	9

Code.....	Linsenban	Linsenfel
Numbers.....	4	5
Blade, inches.....	11	9
Each.....	\$2.75	2.25
Weight each, lbs.....	6	4

**NEEDLE CASE.**

WROUGHT IRON. WITH STEEL FACES.

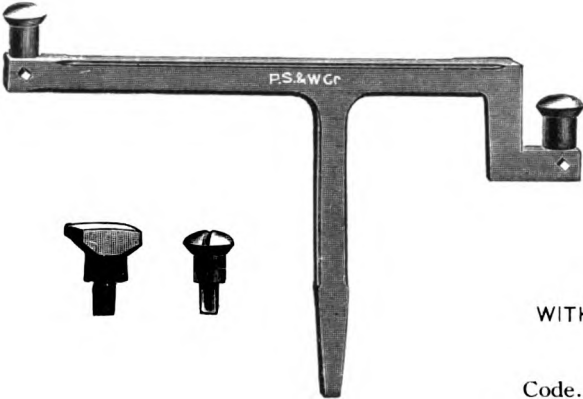
Code.....	Lintendo
Flat end, inches.....	8
Small end, inches.....	10½
Each.....	\$2.25
Weight each, lbs.....	4

**CANDLE MOULD.**

WROUGHT IRON. WITH STEEL FACES.

Code.....	Linthand
Small end, inches.....	18
Horn, inches.....	8½
Each.....	\$2.75
Weight each, lbs.....	6½

**TINNERS' STAKES.**



**TEA KETTLE.**

WITH FOUR STEEL HEADS. WROUGHT AND CAST  
IRON.

Code.....	Lintwerk
Each.....	\$15.75
Weight each, lbs.....	45

**ADAMS STOVE PIPE MANDREL AND SADDLE.**

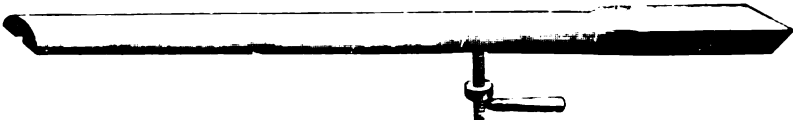
CAST IRON. POLISHED.



Code.	
Lintwood.....36 inches long, 4½ inches wide.	Weight packed, 40 lbs.....Each, \$5.00
	One in a case.

**HOLLOW MANDREL AND CLAMP.**

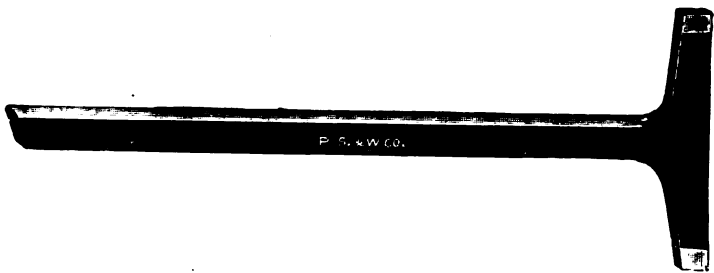
WROUGHT AND CAST IRON. POLISHED.



Code.	
Liocorne.....40 inches long.	Weight each, 45 lbs.....Each, \$5.50
	Two in a case. Weight per case, 110 lbs.

MANDREL.

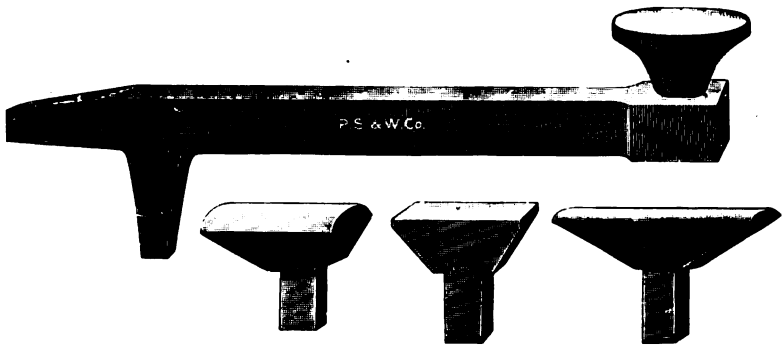
CAST IRON. WITH POLISHED FACES.



Code.....	Lioncelt	Liparent	Liparitan	Lipletter	Lipocarp
Numbers.....	00	0	1	2	3
Length to standard, inches.....	60	40	34	30	27
Each.....	\$10.00	6.00	5.00	4.00	3.00
Weight each, lbs.....	128	87	44	37	31

DOUBLE SEAMING.

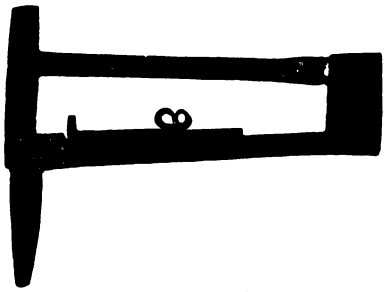
WITH FOUR HEADS. WROUGHT AND CAST IRON.



Code.....				
Lipofarda.....	Weight, 85 lbs.....			\$9.00
	Extra Heads for same.....		Each,	1.50
		One in a case.		

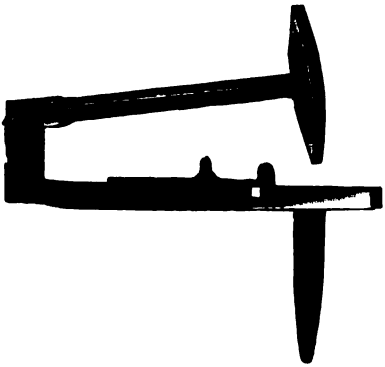
**CULLENDER SWEDGES.**

Code.....	Lipitude
Each .....	\$4.75
Weight each, lbs.....	10



**SQUARE PAN SWEDGES.**

Code.....	Liptart
Each.....	\$5.00
Weight each, lbs.....	10

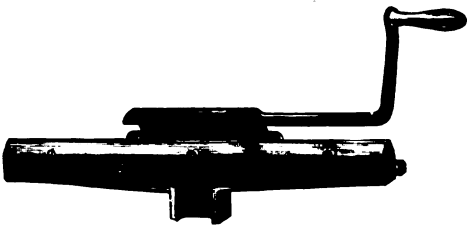


**MILLER'S SQUARE PAN FOLDERS.**

ADJUSTABLE GAUGE.

This machine is constructed so as to turn the edges of different sizes of square pans, tin or iron, rendering the lock suitable for any size wire.

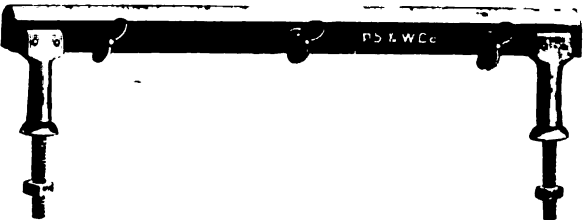
Code.....	Liquamend
Length, inches.....	20
Each.....	\$5.00
Weight each, lbs.....	21

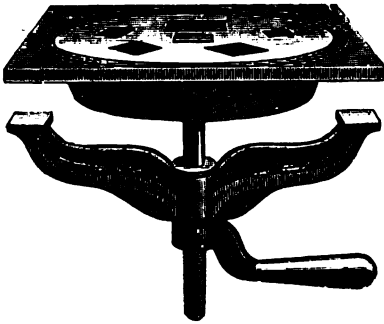


**SQUARE PAN TURNERS.**

STEEL.

Code.....	Liquatura	Liquida
Numbers .....	1	2
Length, inches.....	20	15
Each.....	\$2.50	2.00
Weight each, lbs.....	6	5





## IMPROVED BENCH PLATES.

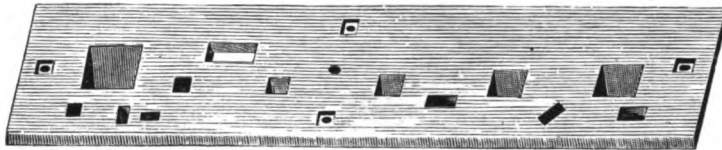
POLISHED.

This Bench Plate is so made that it can be readily inserted in any bench of ordinary thickness, and revolves so that different tools may be used in the same position.

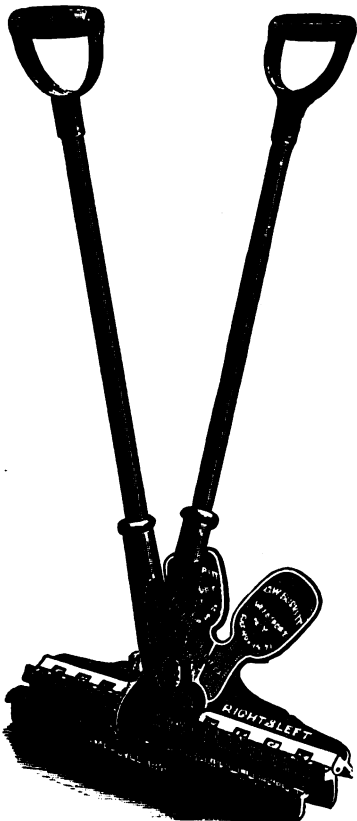
Code.....	Liquoret
Number.....	8
Inches.....	9x9
Each.....	\$3.50
Weight, lbs.....	18

## BENCH PLATES.

CAST IRON. POLISHED.



Code.....	Lispelend	Lisptone
Numbers.....	1	2
Inches.....	37x8	30x8
Each.....	\$5.00	3.00
Weight each, lbs.....	50	37



## BURRITT'S PATENT ROOFING DOUBLE SEAMERS.

FOR STANDING LOCK TIN ROOFING.

The cut represents the Double Seamer turning over the edge of the metal. The treadle closes down the edge.

We commend these Roofing Double Seamers for Standing Lock, because the work is done more evenly than by any other process. They turn the metal directly over and under, do not crimp the tin, and leave the formed locks of uniform height. They do not deface the surface of the roof; will work well over uneven roof boarding. Will double seam hips and ridges with perfect ease. They can be used by either hand or foot power. They will do the work much faster, easier and better than by hand and mallet. They are simple in construction, durable and not liable to get out of order. When shipped, they are fitted for I. C. Tin.

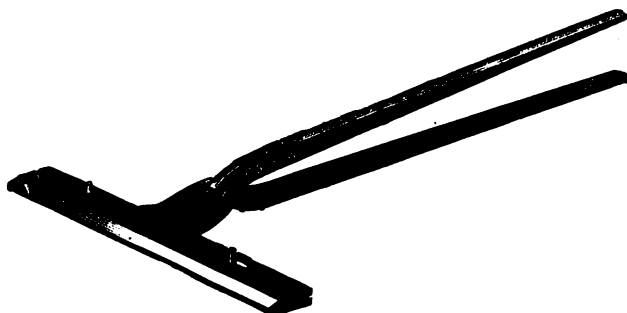
These Double Seamers are now made and can be furnished adapted to several different styles of Iron Roofing; in fact, for the formation of nearly every style of lock now used in applying sheet metals to roofs.

NOTE —When ordering Seamers please state whether for common or wide gauge.

Code.....	Listonera	Lithagog
Gauge.....	Common	Wide
Inches.....	1x1 1/4	1 1/4 x 1 1/2
Per set of 2 pairs.....	\$30.00	30.00
Weight per set, lbs.....	40	40

**COMMON ROOFING TONGS.**

STEEL.

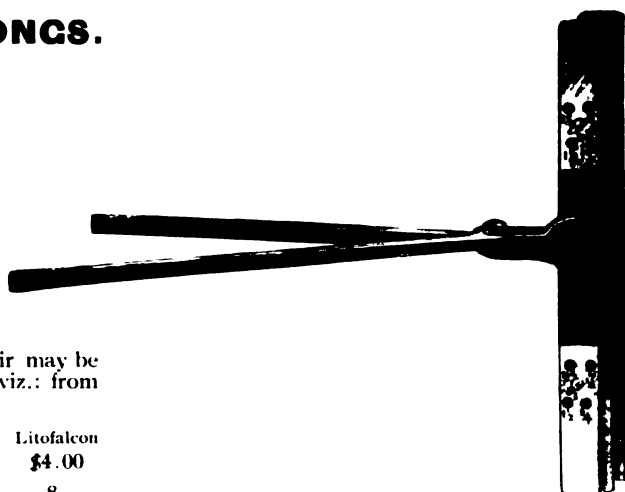


Code.....	Lithocart	Lithodern	Lithotome	Lithuria	Litigate
Size, inches.....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Per pair.....	\$3.00	3.00	3.00	3.00	3.00
Weight per pair, lbs.....	7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{2}$

Two pairs constitute a set.

**IMPROVED ROOFING TONGS.**

STEEL.



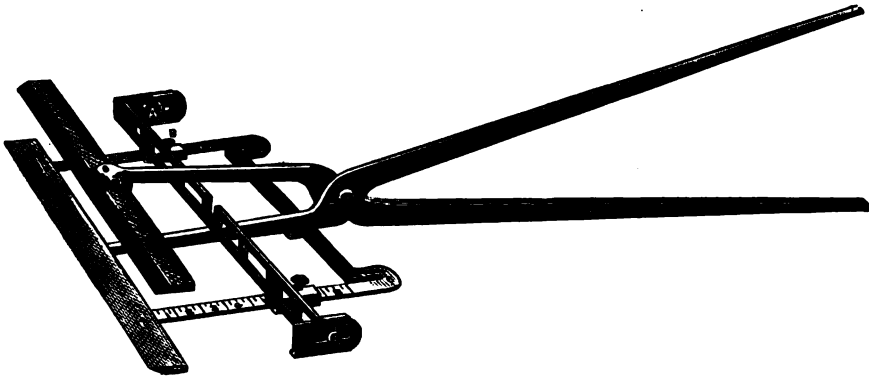
These Tongs are so made that a single pair may be easily adjusted to five different widths of locks, viz.: from  $\frac{1}{2}$  to  $1\frac{1}{2}$  inches.

Code.....	Litofalcon
Per pair.....	\$4.00
Weight per pair, lbs.....	8



# REESE'S ROOFING TONGS.

WITH ADJUSTABLE AND REMOVABLE GAUGE.



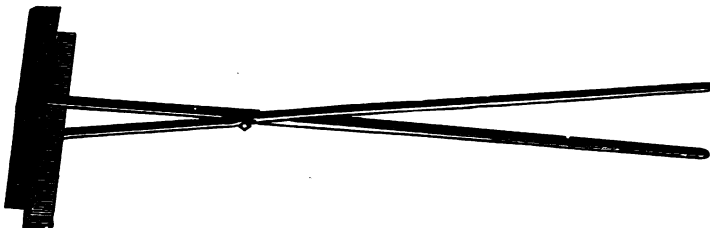
((Patented December, 1884. Improved April, 1899.))

These Tongs will turn any edge from  $\frac{3}{4}$  to 10 inches by simply adjusting the thumb screw and sliding the gauge to the desired position. They are adapted to edging and bending all kinds of ordinary sheet metal. They are simple in construction, strong, light and durable. Can be used on No. 22 Iron.

Code.

Litografo .....Weight each, 11 lbs.....Each, \$6.50

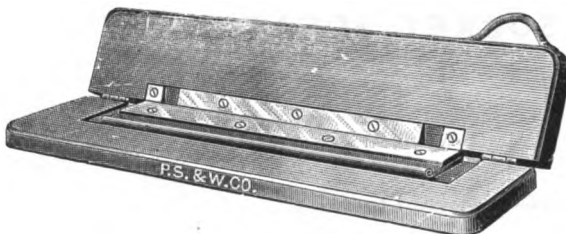
# CUTTER TONGS.



Code.

Litoscopic .....Weight per pair, ... lbs.....Per pair, \$5.00

# WOOD ROOFING FOLDERS.



Cut shows Improved Folder, with Gauge.

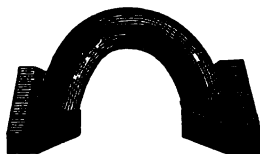
	Common.		Improved.	
	Liturando	Livellard	Liventibo	Livron
Code.....	20	30	20	30
Inches.....	\$2.50	3.50	3.50	5.00
Each.....	8	13	8	13
Weight each, lbs.....				

**ROOFING DOUBLE SEAMERS.**

TO MATCH ROOFING TONGS.

Code.....	Lixabunt	Loadman	Lobagore
Size, inches.....	$\frac{3}{4} \times 1$	$1 \times 1\frac{1}{4}$	Set
Price .....	\$0.90	.90	1.75
Weight each, lbs.....	9	9	18

Two pairs constitute a set.

**A SET OF TINNERS' TOOLS.**

1 Beakhorn Stake, No. 1.....	\$15.00	1 Set Solid Punches, 4 Punches, 2 Chisels...	\$0.72
1 Blowhorn Stake.....	5.00	1 Pair No. 4 Bench Shears.....	5.00
1 Creasing Stake .....	4.00	1 Each Raising Hammers, Nos. 1 and 4,	
1 Square Stake.....	3.00	handled.....	3.20
1 Candle Mould Stake.....	2.75	1 Each Setting Hammers, Nos. 2 and 3,	
1 Needle Case Stake.....	2.25	handled .....	1.20
1 Each Hollow Punches, $\frac{1}{2}$ , $\frac{3}{4}$ , 1, $1\frac{1}{4}$ , $1\frac{1}{2}$ ,		1 No. 5 Riveting Hammer, handled.....	38
$1\frac{3}{4}$ inches.....	5.50		

Packed in one case.

Code.....  
 Lobberend .....Weight per case, 165 lbs.....Per case, \$48.00

**RING SCRATCH AWLS.**

SOLID STEEL.



Code..... No.....  
 Lobside ..... 1—Length,  $8\frac{1}{2}$  inches. Weight per doz., 1 lb.....Per dozen, \$1.50  
 One dozen in a box.

**SOCKET SCRATCH AWLS.**

FORGED STEEL. POLISHED.



Code..... No.....  
 Lobulate ..... 1—Length of steel, 6 inches. Weight per doz.,  $1\frac{1}{2}$  lbs.....Per dozen, \$2.00  
 One dozen in a box.

# PLAIN SCRATCH AWLS.

PLAIN BEECH HANDLES.

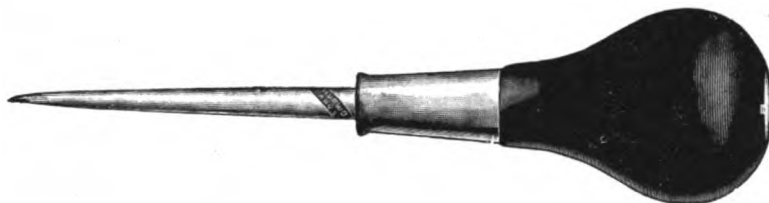


Code. No. 2—Length of steel, 5 inches. Weight per doz., 1½ lbs. .... Per dozen, \$1.00  
 Lobward ..... One dozen in a box.

# “HURWOOD” TINNERS’ AWLS.

EXTRA QUALITY.

WILL NOT BREAK OR TURN ON POINTS. BEST CRUCIBLE ⅝-INCH STEEL.



Code. Locabiter ..... Entire length, 7½ inches; blade, 3¾ inches. Weight per doz., 1½ lbs ..... Per dozen, \$6.00  
 One dozen in a box.

# GASFITTERS’ AUGERS.

ALL STEEL.



Code .....	Localiber	Localized	Locations	Lochbent	Lochome	Lochsage	Locitando
Size of Auger, inches.....	¾	⅞	1¼	1½	1¾	2	2½
To cut holes for pipe, inches.....	¾	½	¾	1	1¼	1½	2
Each.....	\$1.13	1.25	1.75	2.25	2.50	3.00	3.50

**PLUMBERS' TOOL BAGS.**

MADE OF BRUSSELS CARPET. LEATHER BOUND.

Code.....	Locitator	Lockenkap
Numbers .....	<b>2</b>	<b>3</b>
Each.....	\$5.00	6.00

No. 2 has Leather Bottom.

No. 3 has Leather Bottom and Sides.

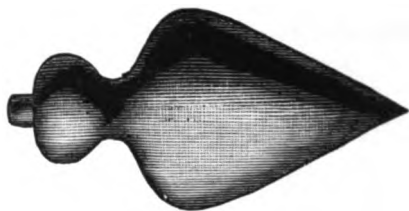


Cut shows No. 2.

**IRON PLUMB BOBS.**

Code.....	Lockhame	Lockvoge
Sizes .....	Small	Large
Per dozen .....	\$1.20	2.00

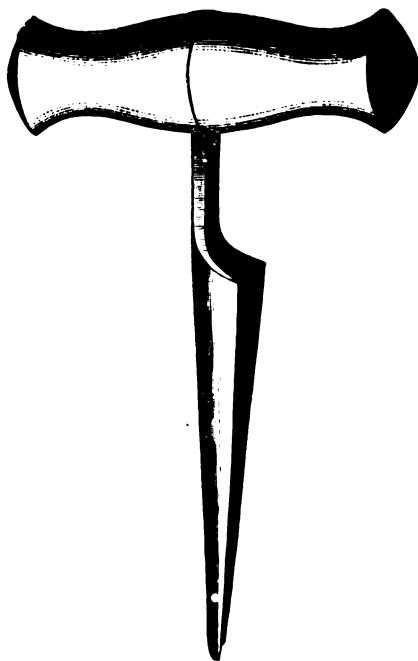
Loose.

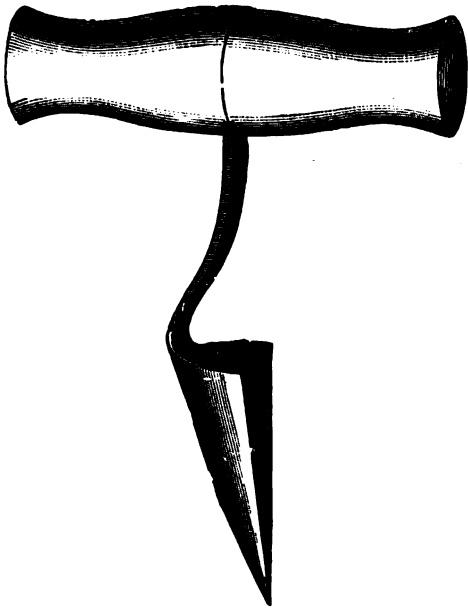
**TAP BORERS.**

EXTRA HEAVY SHANKS.

Code.....	Locomote
Style .....	Philadelphia Pattern
Per dozen.....	\$5.00

One dozen in a box.





## TAP BORERS.

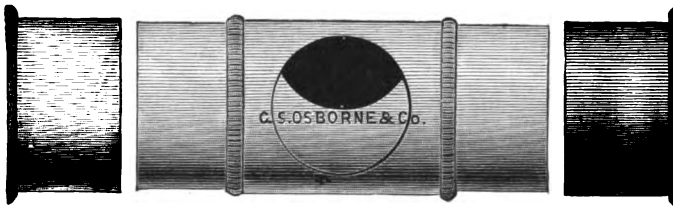
EXTRA HEAVY SHANKS.

Code..... Loculodo  
 Style..... New York Pattern  
 Per dozen..... \$5.00

One dozen in a box.

## GREASE, ROSIN AND FLOUR BOXES.

BRASS POLISHED.



Code.....  
 Locutori.....Medium size.....Per dozen, \$18.00

One-half dozen in a box.

## WIRE PIPE BENDERS.

STEEL WIRE. JAPANNED.



Code .....	Lodabilit	Lodiator	Lodicent	Lodomero
Size, inches.....	1	1 1/4	1 1/2	2
Length, inches.....	23	23	23	23
Each.....	\$0.75	.80	.90	1.00

**VANDERMAN'S ELASTIC LEAD PIPE BENDERS.**

Cut shows round trap bent around a 3-inch Soil Pipe and Bender easily withdrawn.

**Directions for Using.**

Shove or draw the Bender into the pipe until the point is reached where the bend is to be made, and bend the pipe. The Bender can then be easily removed. If the bends in the pipe are very short or close and the Bender does not come out of the pipe easily, it can be made to do so by slackening up a little on the bends. To make a bend midway in a long length of pipe, attach a wire or strong cord to each end of the Bender, so as to draw it in and out. If the bends are short, or more than one in number, the Bender will work in and out more easily by lubricating the Bender or the inside of the pipe with oil, soap or water.

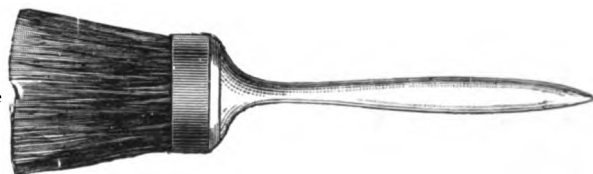
Code .....	Lofgebe	Loforine	Lofreden
Numbers .....	<b>2</b>	<b>3</b>	<b>4</b>
Size pipe, inches .....	1 1/4	1 1/2	2
Length, inches .....	24	24	24
Each .....	\$1.75	2.00	2.50

**DUSTERS.**

ALL BRISTLE.

Code .....	Lofwarde
Diameter, inches .....	.....
Per dozen .....	\$7.00

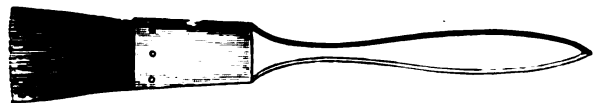
One dozen in a box.

**FLAT SOIL BRUSHES.**

ALL BRISTLE.

Code .....	Logarito
Width, inches .....	.....
Per dozen .....	\$1.00

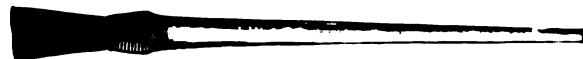
One dozen in a box.

**ROUND SOIL BRUSHES.**

ALL BRISTLE.

Code .....	Logbake
Diameter, inches .....	.....
Per dozen .....	\$0.75

One dozen in a box.



**LANTERN CHISELS.**

CAST STEEL.

Code..... Logenlite  
Each..... \$0.12

One dozen in a box.

**WIRE CHISELS.**

CAST STEEL.

Code..... Logenzind Logical Logistico Logograph  
Inch.....  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   
Each..... \$0.08 .09 .10 .11  
Wt. per doz., lbs..... ..

One dozen in a box.

Code.....	Logomante	Logoteen	Logradour	Lohnsatz	Lohnsold	Lohrine	Lokalite	Lokalton	Lokgitte
Inches.....	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2
Each.....	\$0.12	.13	.14	.15	.17	.19	.20	.24	.29
Weight per doz., lbs.....	2	3	3 $\frac{1}{2}$	4	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6	7	8

One-half dozen in a box.

**PLUMBERS' COLD CHISELS.**

OCTAGON STEEL.



Code.....	Lollardi	Lollhard	Lolling
Length, inches.....	6	8	10
Blade, inch.....	1	1	1
Per dozen.....	\$5.00	6.00	7.25

**FORGED STEEL COLD CHISELS.**

OCTAGON. HALF-POLISHED. TURNED HEADS.



No. 1.

Code.....	Lomander	Lombarda	Lombatel	Lombrico	Lomentor	Lompenn
Inch.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Per dozen.....	\$3.60	4.50	6.00	7.50	10.00	12.80
Weight per doz., lbs.....	2	4	7	10	14	18

One-half dozen in a box.

**CAPE CHISELS.**

OCTAGON CAST STEEL.



Code.....	Lonchere
Inch .....	3
Per dozen.....	\$6.00
Weight per doz., lbs.....	6

**DIAMOND NOSE CHISELS.**

OCTAGON CAST STEEL.



Code.....	Longiner
Per dozen.....	\$6.00
Weight per doz., lbs.....	12

**ROUND NOSE CHISELS.**

OCTAGON CAST STEEL.



Code.....	Longader
Per dozen.....	\$6.00
Weight per doz., lbs.....	12

**HALF-ROUND NOSE CHISELS.**

OCTAGON CAST STEEL.



Code.....	Longbreck
Per dozen.....	\$6.00
Weight per doz., lbs.....	12



**WOOD CHISELS.**

ROUND CAST STEEL.



Code.....	Longipede	Longiturn
Inches.....	<b>1</b>	<b>2</b>
Length, inches.....	10½	14
Per dozen.....	\$6.00	11.50
Weight per doz., lbs.....	.....	.....

**FLOOR CHISELS.**

ROUND CAST STEEL.



Code.....	Longkame	Longmeter	Longmind
Inches.....	<b>2</b>	<b>3</b>	<b>3</b>
Length, inches.....	9	12	15
Per dozen.....	\$20.00	20.00	20.00
Weight per doz., lbs.....	.....	.....	.....

**FLOOR CHISELS.**

OCTAGON CAST STEEL.



Code.....	Longprim
Inches.....	<b>4</b>
Length, inches.....	16
Per dozen.....	\$22.00
Weight per doz., lbs.....	.....

**H. M. & S. CAULKING CHISELS.**

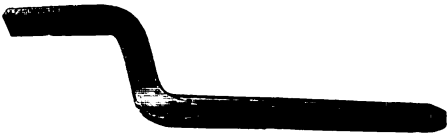
FORGED STEEL. OIL TEMPERED.



Code.....	Longulano	Loodacht
Size.....	Small	Large
Width, inch.....	$\frac{3}{8}$	$\frac{1}{2}$
Thickness of blade at end, inch.....	$\frac{1}{4}$	$\frac{1}{4}$
Per dozen.....	\$5.00	6.00
Weight per doz., lbs.....	11	12

**H. M. & S. CAULKING CHISELS WITH OFFSET.**

FORGED STEEL. OIL TEMPERED.



Code.....	Loodert	Loodspar
Style.....	Right	Left
Thickness of blade at end, inch.....	$\frac{3}{16}$	$\frac{3}{16}$
Per dozen.....	\$5.00	5.00
Weight per doz., lbs.....	12	12

**H. M. & S. CAULKING CHISELS FOR CORNERS.**

FORGED STEEL. OIL TEMPERED.



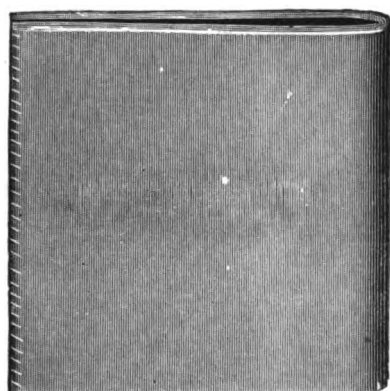
Code.....	Loodert
Thickness of blade at end, inch.....	$\frac{3}{16}$
Per dozen.....	\$5.00
Weight per doz., lbs.....	12

# H. M. & S. YARNING CHISELS.

FORGED STEEL. OIL TEMPERED.



Code.....	Lopadist	Loquacita
Size.....	Small	Large
Width of blade, inch.....	$\frac{3}{8}$	$\frac{3}{4}$
Length of blade, inches.....	6	6
Thickness of blade at end, inch.....	$\frac{3}{32}$	$\frac{3}{32}$
Per dozen.....	\$5.00	6.00
Weight per doz., lbs.....	11	12



Cut Shows Mole Skin Cloth.

# WIPING CLOTHS.

TALLOW DIPPED.

## Mole Skin.

Code.....	Loquebard	Loquelari	Loramenti
Inches.....	$2\frac{1}{2} \times 2$	$2\frac{1}{2} \times 2\frac{1}{2}$	$3 \times 2\frac{1}{2}$
Per dozen.....	\$2.50	2.50	2.50
Code.....	Lordatos	Lordope	
Inches.....	$3 \times 3$	$3\frac{1}{2} \times 3\frac{1}{2}$	
Per dozen.....	\$2.50	2.50	

One dozen in a package.

## Ticking.

Code.....	Loricanda	Loricarum	Loroglass	Lorquina	Losanker	Losband i
Inches.....	$2 \times 2$	$2\frac{1}{2} \times 2$	$2\frac{1}{2} \times 2\frac{1}{2}$	$3 \times 2\frac{1}{2}$	$3 \times 3$	$3\frac{1}{2} \times 3\frac{1}{2}$
Per dozen.....	\$1.50	1.50	1.50	1.50	1.50	1.50

One dozen in a package.



# SOIL CUPS.

SEAMLESS COPPER WITH BAIL.

Code.....	Losbindin	Losbolles
Size.....	Small	Large
Inches.....	$2\frac{1}{2} \times 2\frac{1}{2}$	$3 \times 3$
Per dozen.....	\$5.00	5.50

One-half dozen in a package.

**RUBBER FORCE CUPS.**

BLACK ENAMELED WOOD HANDLES. FOR CLEANING  
THE DISCHARGE PIPES OF WASH BOWLS,  
BATH TUBS, SINKS, ETC.

Code.....	Losdonner	Loswick	Lothperle
Numbers .....	<b>1</b>	<b>2</b>	<b>3</b>
Diameter, inches.....	3	3 $\frac{3}{4}$	4 $\frac{1}{2}$
Per dozen.....	\$3.00	4.50	6.00

One-half dozen in a box.

**PLUMBERS' FRIEND.**

WOOD HANDLES. RUBBER CUPS.

Code.....	Lotiform
Length of handle, feet.....	<b>4</b>
Each .....	\$2.00
Weight each, lbs.....	2



Rubber Cup



Section showing Valve and Air Passage

**SOLDER COPPERS.**

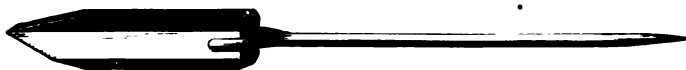
POINTED



Code.....	Lotomeet	Lotosortie	Lotsbest	Lottorban	Lottokar	Lotusblum	Loubane	Loucamen	Louchart
Numbers .....	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
Weight per pair, lbs.....	3 $\frac{1}{4}$	1	2	3	4	5	6	7	8
Per pound.....	\$.....	.....	.....	.....	.....	.....	.....	.....	.....

**BOTTOM COPPERS.**

FLAT.



Code.....	Lounger	Louvanist	Louvet	Lowering
Numbers.....	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Weight per pair, lbs.....	3	4	5	6
Per pound.....	\$.....	.....	.....	.....

# HATCHET COPPERS.

SWIVEL HEADS.



Code.....	Loxarthur	Loxocost	Loyalist
Numbers.....	<b>4</b>	<b>5</b>	<b>6</b>
Weight per pair, lbs.....	4	5	6
Per pound.....	\$.....	.....	.....

# ROOFING COPPERS.

WITH HANDLES AND SHIELDS.



Code.....	Lozangate	Lubeck	Lubricor	Lucentibo
Numbers.....	<b>10</b>	<b>11</b>	<b>12</b>	<b>18</b>
Weight per pair, lbs.....	10	11	12	18
Per pound.....	\$.....	.....	.....	.....

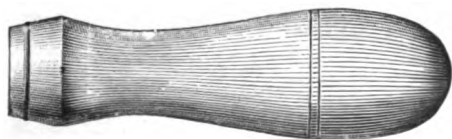
# ROUND IRONS.



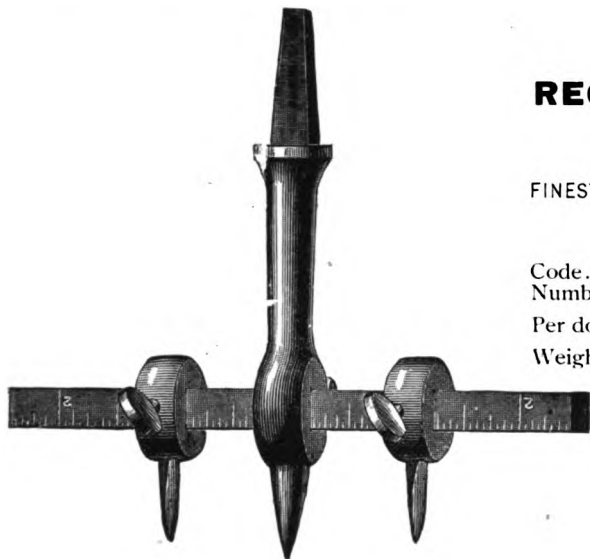
Code.....	Lucernato	Luchadore	Luchaste
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
Per dozen.....	\$8.00	11.00	13.00

# SOLDER COPPER HANDLES.

SOFT WOOD. WIRE FERRULES.



Code.....	Luchetto	Lucidaro
Size.....	<b>Medium</b>	<b>Extra Large</b>
Per dozen.....	\$0.45	1.15
Weight per doz., lbs.....	3	5
Packed as ordered.		



## REGISTERING WASHER CUTTERS.

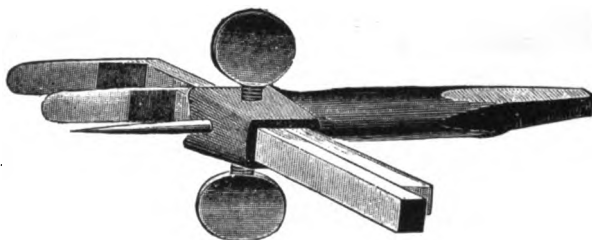
FINEST QUALITY OF TOOL STEEL. RULE  $\frac{1}{16}$  TO  $2\frac{1}{4}$  INCHES, BOTH SIDES.

Code.....	Luciparen
Number.....	45
Per dozen.....	\$20.00
Weight per doz., lbs.....	8 $\frac{1}{2}$

One-half dozen in a box.

## WASHER CUTTERS.

CAST STEEL.

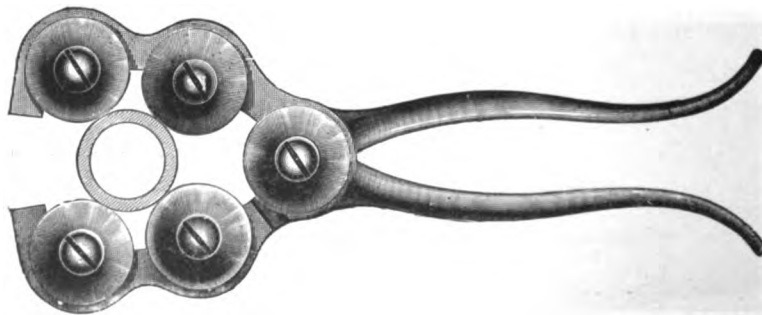


Code.....	Lucless
Number.....	1
Per dozen.....	\$10.00
Weight per doz., lbs.....	6

One-half dozen in a box.

## VANDERMAN'S LEAD PIPE CUTTERS.

JAPANNED. CUTS LEAD PIPE FROM  $\frac{3}{8}$  TO  $1\frac{1}{2}$  INCHES.



Code.....			
Lucration.....	Cutter.....	Each,	\$2.00
Lucrator.....	Extra Cutter Wheels .....	"	.10

# BARNES' PIPE CUTTERS.

THREE WHEELS.



Code.....	Lucrava	Lucretil
Numbers.....	<b>1</b>	<b>2</b>
For pipe, inches.....	$\frac{1}{8}$ to 1	$\frac{1}{2}$ to 2
Each.....	\$4.50	6.00
Weight each, lbs.....	3 $\frac{1}{4}$	5

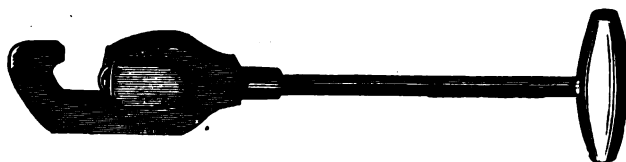
## Extra Cutter Wheels.

Code.....	Lucrifica	Lucrifugit
Numbers.....	<b>1</b>	<b>2</b>
Each.....	\$0.25	.30

## Extra Wheel Pins.

Code.....	Lucrosaro	Luctabite
Numbers.....	<b>1</b>	<b>2</b>
Per dozen.....	\$1.00	1.00

# STANWOOD'S PIPE CUTTERS.



Code.....	Luctamino	Luctatore	Luctavimo
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
For pipe, inches.....	$\frac{1}{8}$ to 1	1 to 2	2 to 3
Each.....	\$1.50	2.25	7.00
Weight each, lbs.....	3 $\frac{1}{2}$	8 $\frac{1}{2}$	24

## Extra Cutter Wheels.

Code.....	Lutificit	Luctisono	Lucubrado
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
Each.....	\$0.12	.18	.25

## Extra Blocks and Wheels.

Code.....	Lucubrated	Luculent	Lucullano
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
Each.....	\$0.40	.60	1.00

# SAUNDERS' PIPE CUTTERS.



Code.....	Ludabank	Ludendor
Numbers.....	<b>1</b>	<b>2</b>
For pipe, inches.....	$\frac{1}{8}$ to 1	1 to 2
Each.....	\$3.00	4.50
Weight each, lbs.....	3 $\frac{1}{2}$	6 $\frac{1}{2}$

## Extra Cutter Wheels.

Code.....	Ludergale	Ludibunt
Numbers.....	<b>1</b>	<b>2</b>
Each.....	\$0.24	.32

## Extra Rollers.

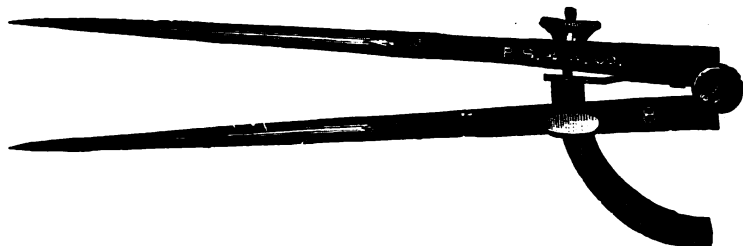
Code.....	Ludicrabo	Ludificat
Numbers.....	<b>1</b>	<b>2</b>
Each.....	.24	.32

## Extra Pins.

Code.....	Ludmille	Luendise
Numbers.....	<b>1</b>	<b>2</b>
Each.....	.10	.10

WING DIVIDERS.

FORGED CAST STEEL. FULL POLISHED.



Code .....	Luftballe	Luftdrum	Luftmetor	Luftsatz	Luftvulk	Lugarena	Lugmarie
Inches .....	8	9	10	12	15	18	24
Per dozen.....	\$7.50	9.00	10.00	12.00	18.00	25.00	36.00
Weight per doz , lbs.....	6	7½	9	12	16	24	.....

One-half dozen in a box.

HURWOOD'S SCREW DRIVERS.

INDESTRUCTIBLE. WARRANTED BEST QUALITY STEEL.



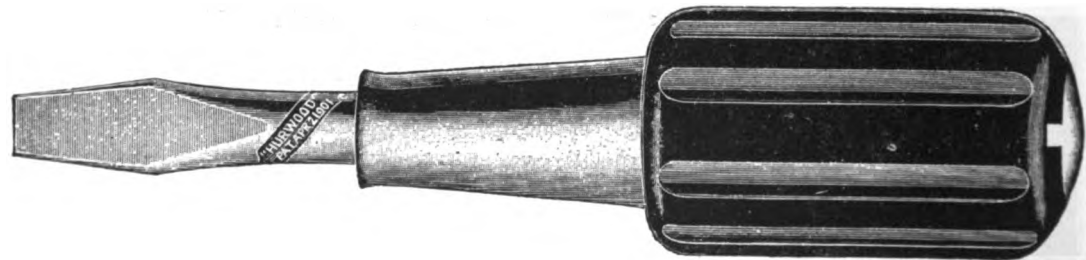
The steel extends from point of blade through the handle, and forms a top for rough use. Impossible to twist the handle on the steel. No amount of hammering on the head can injure the handle.

Code .....	Luizenest	Luismore
Inches .....	4	6
Per dozen.....	\$6.75	9.50
Weight per doz , lbs .....	2½	4

One-half dozen in a box.

HURWOOD'S MACHINE SCREW DRIVERS.

3⁄8-INCH STEEL. A GOOD SCREW DRIVER FOR LINEMEN. INDISPENSABLE FOR PLUMBERS AND STOVE MOUNTERS. ESPECIALLY ADAPTED FOR HEAVY WORK IN PLACES WHERE IT IS IMPOSSIBLE TO USE A LONGER DRIVER.



Cut shows Full Size.

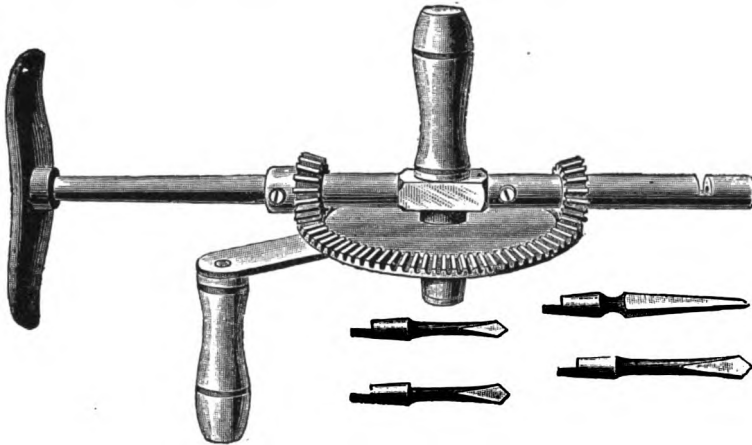
Code .....	Lu machis
Number.....	5
Entire length, inches.....	5½
Blade, inches.....	1¾
Per dozen .....	\$7.50
Weight per doz., lbs.....	5½

One-half dozen in a box.



# BREAST DRILLS.

GEARED. COMPLETE WITH THREE DRILLS AND ONE REAMER.



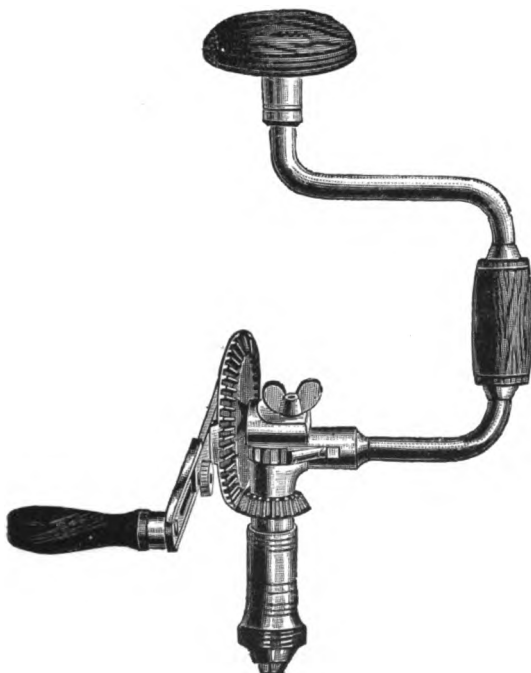
Code.....	Lumbagin	Luminand
Numbers.....	1	3
Each .....	\$3.60	2.50
Weight each, lbs.....	6 $\frac{3}{4}$	6 $\frac{1}{2}$

One in a box.

No. 1 is double-gearred and polished No. 3 is single-gearred and japanned.

# DRILL BRACES.

HOLDS ROUND OR SQUARE SHANK DRILLS OR BITS.  
NICKEL-PLATED FRAME AND CHUCK.  
BALL BEARING.



Code.....	Luminatet
Each .....	\$3.00
Weight each, lbs.....	4 $\frac{1}{2}$

One in a box.

TINNERS' MALLET.

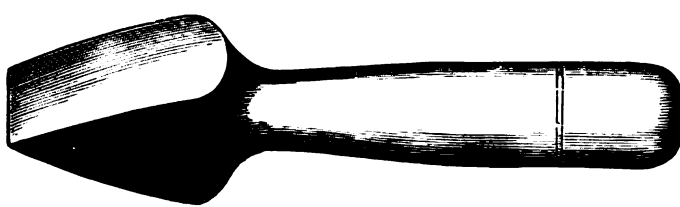
SELECTED HICKORY.



Code.....	Luminosity	Lumpish	Lunabito	Lunarian	Lunatico	Lunatism	Lungaman	Luparendo
Inches.....	2	2¼	2½	2¾	3	3½	4	2x8
Per dozen.....	\$1.50	1.75	2.00	2.25	3.00	3.50	4.00	1.25
Weight per doz., lbs.....	9	11	12	13½	15	18	24	.....
Loose.								

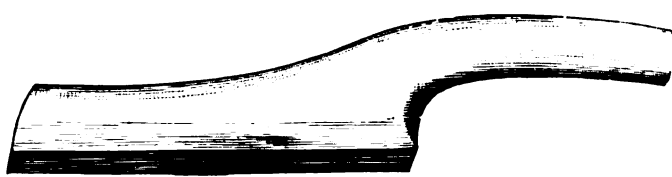
PLUMBERS' SIDE EDGES.

BEST.



Code.....	Lupientos
Per dozen.....	\$8.50
Weight per doz., lbs.....	3½
Loose.	

PLUMBERS' DRESSERS.



Code.....	Lurecabamo	Lurcantim
Quality.....	Best	Dogwood
Per dozen.....	\$10.00	8.00
Weight per doz., lbs.....	18	12
Loose.		

**BOSSING STICKS.**

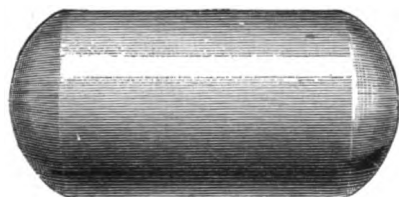
BEST.



Code.....	Lurcavist
Per dozen.....	\$10.00
Weight per doz., lbs.....	8
Loose.	

**DRIFT PLUGS.**

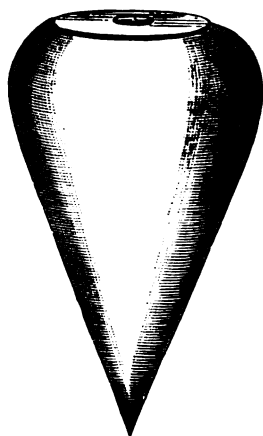
BOXWOOD.



Code.....	Luridato	Lusingame	Lusitamo	Lustgang
Inches.....	1	1 1/4	1 1/2	2
Per dozen.....	\$2.00	2.00	2.00	2.00
Wt. per doz., lbs...	2 2/3	1	1 1/2	3
Loose.				

**TURN PINS.**

BEST.



Code.....	Lustibate	Lustijag	Lustparty
Numbers.....	1	2	3
Largest diameter, inches.....	1 1/2	2	2 1/2
Per dozen.....	\$3.00	3.00	3.00
Weight per doz., lbs.....	1 3/4	3 3/4	5
Loose.			

SHAVE HOOKS.

STEEL BLADES. BLACK ENAMELED WOOD HANDLES.



Cut Shows Oval Hook.

Code.....	Lustraron	Lustrica	Lustrific
Style.....	Tringle	Oval	Adjustable
Per dozen.....	\$3.50	3.50	6.00
Weight per doz., lbs.....	2½	2½	3½

One-half dozen in a box.

The Adjustable Hook has an oval head that can be set at any angle to the handle.

POT HOOKS.

MADE OF ¼-INCH STEEL ROD.



Code .....	Lustrous
Length, inches.....	13
Per dozen.....	\$1.50
Weight per doz., lbs.....	4½

FLAT FILES.



Code .....	Lustwound	Lutandari	Lutanist	Lutheran
Inches .....	8	10	12	14
Per dozen.....	\$3.40	4.70	6.70	9.50
Weight per doz., lbs.....	4	8½	13½	21

8-inch, one dozen in a box. 10 to 14-inch, one-half dozen in a box.

ROUND FILES.



Code.....	Lutherite	Lutodare	Lutricol
Inches.....	10	12	14
Per dozen .....	\$3.80	5.40	7.80
Weight per doz., lbs.....	3½	9½	14½

10-inch, one dozen in a box. 12 and 14-inch, one-half dozen in a box.

**HALF-ROUND FILES.**

Code .....	Lututento	Luxabimo	Luxacion
Inches .....	<b>10</b>	<b>12</b>	<b>14</b>
Per dozen .....	\$5.80	7.80	10.60
Weight per doz., lbs. ....	9½	12	18½

One-half dozen in a box.

**THREE-SQUARE FILES.**

Code .....	Luxandit	Luxisti
Inches .....	<b>10</b>	<b>12</b>
Per dozen .....	\$5.80	7.80
Weight per doz., lbs. ....	9½	12

One-half dozen in a box.

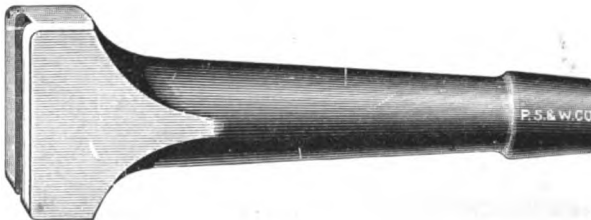
**HALF-ROUND WOOD RASPS.**

Code .....	Luxuriato	Luxurist	Luzerne
Inches .....	<b>10</b>	<b>12</b>	<b>14</b>
Per dozen .....	\$8.75	12.30	16.90
Weight per doz., lbs. ....	7	12	17

One-half dozen in a box.

**HAND GROOVERS.**

FORGED STEEL.



Code .....	Luzidios	Lycabet	Lycapsor	Lycomede	Lycotropic	Lycurgid	Lydamar	Lydesto	Lydock	Lydrome
Numbers .....	<b>00</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
Groove, inch .....	½	¾	1 1/32	3/8	5/16	¼	3/16	5/32	1/8	1/16
Each .....	\$0.75	.75	.63	.63	.50	.50	.37	.37	.25	.25
Weight each, lbs. ....	1¼	1 1/8	1	1	¾	¾	¾	¾	¾	5/8

Loose.

**PLUMBERS' TORCHES.**

POLISHED.

Code.....	Mabellin	Mabouder
Style.....	Tin	Brass
Per dozen.....	\$8.00	15.00
Weight per doz., lbs.....	10	12

Loose.

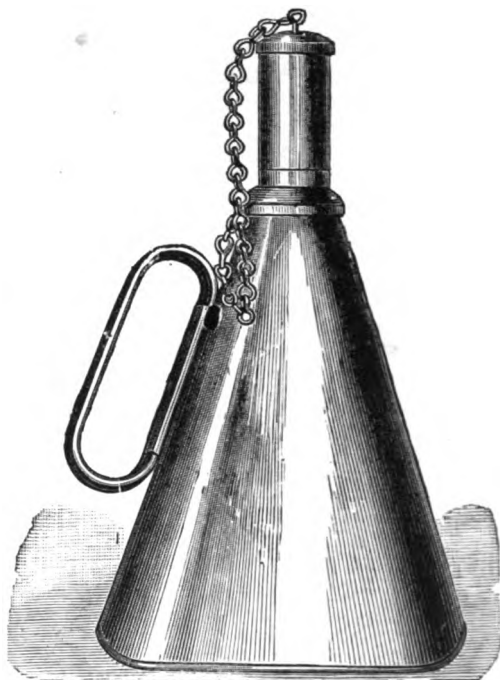
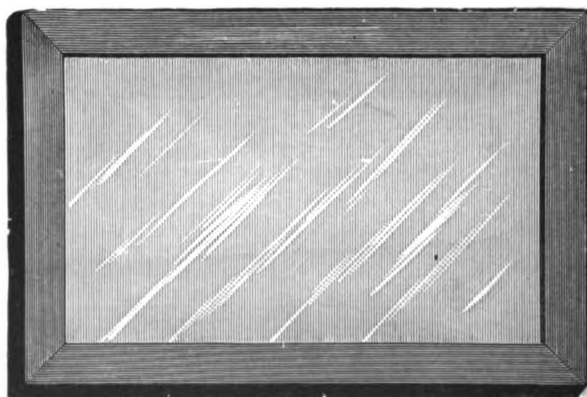
**LOOKING GLASSES.**

PLATE GLASS. BRASS BOUND.

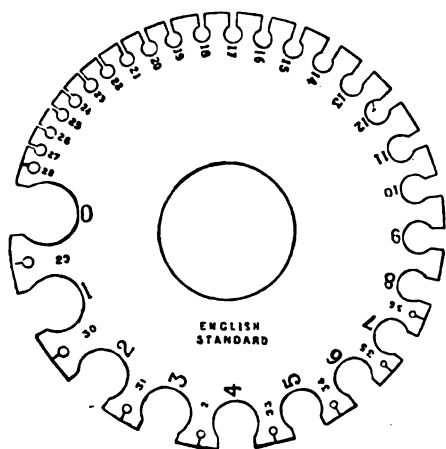


Code.....	Macado
Inches.....	2 3/8 x 3 7/8
Per dozen .....	\$4.00
Weight per doz., lbs.....	5

One-half dozen in a box.

**WIRE GAUGES.**

ROUND. POLISHED CAST STEEL. ENGLISH  
STANDARD. GAUGES Nos. 0 TO 36.



Code .....	Macadure
Number.....	<b>1</b>
Per dozen.....	<b>\$24.00</b>
Weight per doz., lbs.....	<b>3¼</b>

One-half dozen in a box.

Same as Stubs' or Birmingham Gauge.

**BALL PEIN HAMMERS.**

EXTRA QUALITY CAST STEEL. POLISHED. SECOND GROWTH HICKORY HANDLES.



Code.....	Macalong	Macamora	Macanilo
Numbers.....	<b>124</b>	<b>125</b>	<b>126</b>
Old numbers.....	73	74	75
Size .....	1	0	00
Weight each, unhandled, lbs .....	1¼	1	¾
Per dozen.....	<b>\$12.25</b>	11.25	10.50
Weight per doz., lbs.....	22	18	15

One-third dozen in a box.

**STRAIGHT PEIN HAMMERS.**

EXTRA QUALITY CAST STEEL. POLISHED. SECOND GROWTH HICKORY HANDLES.



Code.....	Macarena	Macariote	Macaroni
Numbers.....	<b>0</b>	<b>1</b>	<b>2</b>
Weight each, unhandled, lbs.....	1	1¼	1½
Per dozen.....	<b>\$12.50</b>	13.50	14.50
Weight per doz., lbs.....	18	22	26

One-third dozen in a box.

**PLUMBERS' HAMMERS.**

EXTRA QUALITY CAST STEEL.

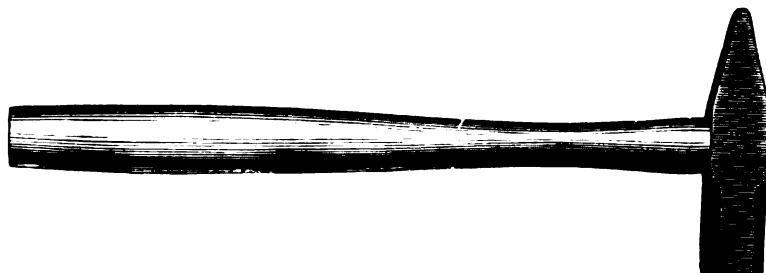


Code.....	Maccabee	Macchia
Size .....	Small	Large
Per dozen .....	\$9.00	12.00
Weight per doz., lbs. ....	.....	.....

One-third dozen in a box.

**TINNERS' RIVETING HAMMERS.**

POLISHED. CAST STEEL. VARNISHED HANDLES.



Code .....	Macchinose	Maceadore	Macebimo	Macedoni	Macellast	Macellnut
Numbers .....	0	1	2	3	4	5
Face, inches.....	1½	1¾	1	¾	¾	¾
Per dozen.....	\$15.50	9.75	8.31	6.75	5.31	4.75
Weight per doz., lbs.....	.....	19	15	11	8	6

One-half dozen in a box.

**TINNERS' SETTING HAMMERS.**

POLISHED. CAST STEEL. VARNISHED HANDLES.



Code .....	Maceradom	Machabeo	Machacado	Machadine	Machamot
Numbers .....	1	2	3	4	5
Face, inches.....	1½	1	¾	¾	¾
Per dozen.....	\$9.75	8.31	6.75	5.31	4.75
Weight per doz., lbs.....	20	15	11	8	6

One-half dozen in a box.

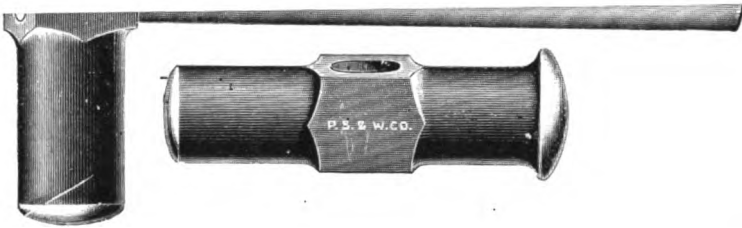


**BLACK EAGLE HATCHETS.**

ALL STEEL. OIL TEMPERED. HANDLE JAPANNED  
BLACK. BLADE POLISHED.

Code .....	Macomute
Length, inches.....	12½
Width of blade, inches.....	4
Per dozen.....	\$7.00
Weight per dozen, lbs.....	18

One-half dozen in a box.

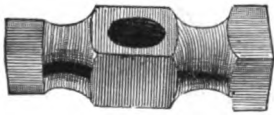


Code .....	Machinale	Machinise	Machuron	Maciform
Numbers.....	1	2	3	4
Diameter small head, inches.....	1½	1½	1½	1
Diameter large head, inches.....	2¼	2	1¾	1¾
Weight each, unhandled, lbs.....	5	3¾	2¼	1¾
Handled, each.....	\$2.25	1.75	1.25	.75
Weight per doz., lbs.....	60	42	24	18

Loose.

**PLANISHING HAMMERS.**

WITHOUT HANDLES.

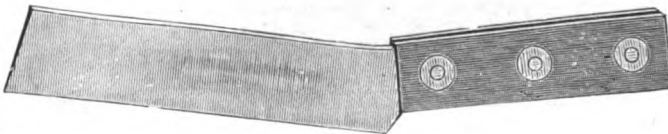


Code.....	Macinava	Macomade
Weight each, lbs.....	1¼	1½
Per pound.....	\$1.00	1.00

Loose.

**CHIPPING KNIVES.**

FORGED FROM EXTRA QUALITY STEEL. LEATHER SCALES.



Code .....	Macquera	Macriano	Macritate
Length of blade, inches.....	4½	5	6
Per dozen.....	\$6.00	6.00	6.00
Weight per doz., lbs.....	4	5	6

Loose.

MELTING LADLES.

FORGED OF BEST CHARCOAL IRON. EXTRA HEAVY. SINGLE LIP. RIVETED HANDLES.



Code .....	Macrobio	Macroglen	Macrotar	Macrozam	Mactabite	Maculate	Maculeron
Size, inches .....	2½	3	3½	4	4½	5	6
Per dozen.....	\$2.75	3.25	3.50	4.00	4.50	5.00	6.00
Weight per doz., lbs.....	7½	8¼	9¼	10½	13	15¼	18

One-half dozen in a package.

SOLDER POTS.

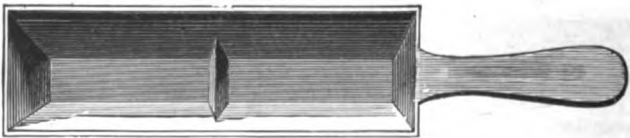
CAST IRON.



Code .....	Maculosa	Madablom	Madamisell	Madaracte	Maddalon	Maddener	Madefacto
Numbers.....	1	2	3	4	5	6	7
Top diameter, inches .....	5	6	6½	8	9	10½	13½
Each .....	\$0.50	.65	.70	1.10	1.30	1.75	3.50
Weight each, lbs.....	3½	7	11	13	16	19½	24

SOLDER MOULDS.

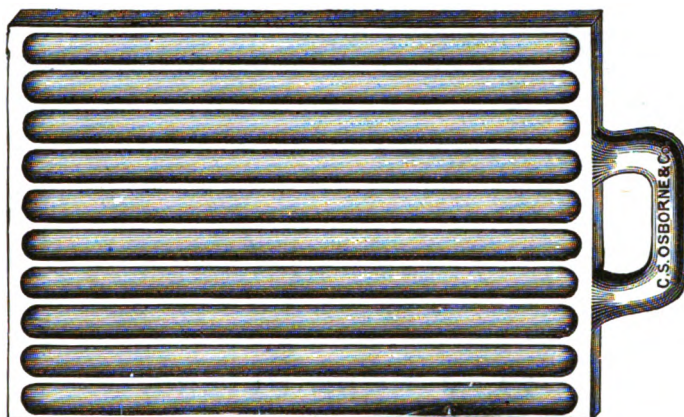
CAST IRON.



Code .....	Madegast
Style.....	Two Bar
Top measure, inches.....	5x10
Each.....	\$0.65
Weight each, lbs.....	11

**STRAP SOLDER MOULDS.**

CAST IRON.



Code.....	Madentibo
Style.....	Ten Bar
Inches.....	.....
Each.....	\$2.75
Weight each, lbs.....	.....

**HOTCHKISS' PATENT CUTTING NIPPERS.**

Cutting parts made to gauge of choice steel. Can be taken off to be ground, and when worn out can be replaced at slight expense, making the tool as good as new. All extra cutters warranted to interchange. The center of rivet being only three-fourths of an inch from the cutting edge, they have nearly double the cutting power of most other styles.

Code.....	Madescun	Madidare	Madorette	Madracaro
Numbers.....	1	2	8	4
Inches.....	12	11	10	8
Each.....	\$2.25	2.00	1.75	1.50
Weight each, lbs.....	2	1¼	1¼	1

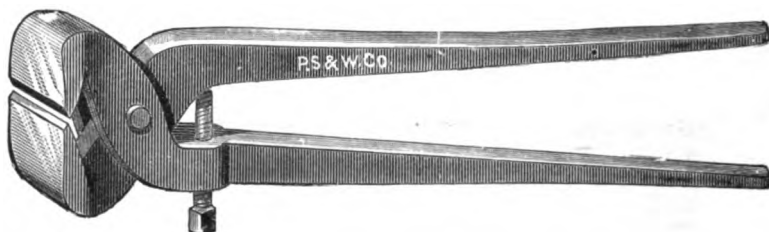
One in a package.

**Extra Cutters for Hotchkiss Nippers.**

Code.....	Madreclam	Madreform	Madreport	Madrigado
Numbers.....	1	2	8	4
Per pair.....	\$0.40	.40	.40	.35

**IMPROVED CUTTING NIPPERS.**

EXTRA CAST STEEL. SOLID JAWS.

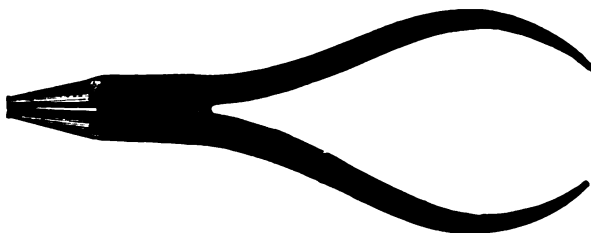


Code.....	Madrigals	Madrugada	Madrugone	Madulsare	Maduram...
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Inches.....	12	11	10	8	7
Each.....	\$2.25	2.00	1.50	1.40	1.00
Weight each, lbs.....	2¼	1½	1¼	1	¾

One-half dozen in a package.

**FLAT-NOSE PLIERS.**

FORGED STEEL. POLISHED JAWS. BOX JOINTS.

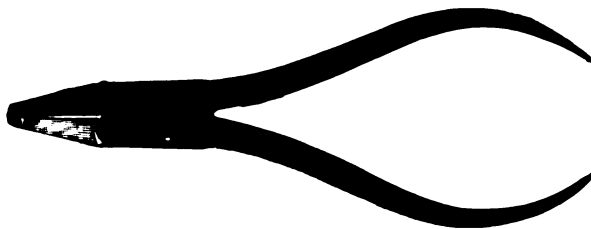


Code.....	Madurative	Maestro	Maforida	Magalibon
Inches.....	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
Per dozen.....	\$5.00	6.00	8.50	12.50
Weight per doz., lbs.....	1½	2½	4	6½

One-half dozen in a box.

**ROUND-NOSE PLIERS.**

FORGED STEEL. POLISHED JAWS. BOX JOINTS.

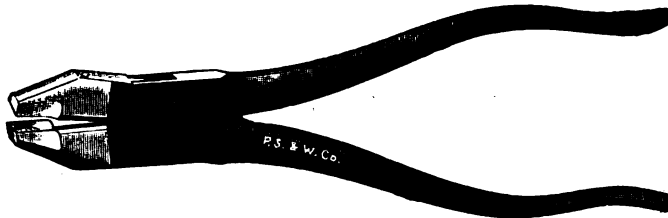


Code.....	Magazine	Magbush	Magdalen
Inches.....	<b>5</b>	<b>6</b>	<b>7</b>
Per dozen.....	\$5.00	6.00	8.50
Weight per doz., lbs.....	1½	2½	4

One-half dozen in a box.

# **SIDE-CUTTING PLIERS.**

FORGED STEEL. POLISHED JAWS. RAISED CUTTERS. BOX JOINTS.

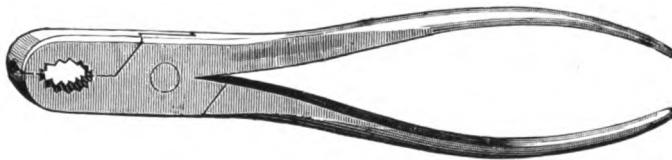


Code.....	Magenkranz	Magenkreb	Magenpent	Magested
Inches.....	5	6	7	8
Per dozen.....	\$12.50	13.50	17.00	20.00
Weight per doz., lbs.....	1½	4	7	10

One-half dozen in a box.

# **BURNER PLIERS.**

CAST STEEL. NICKEL-PLATED.

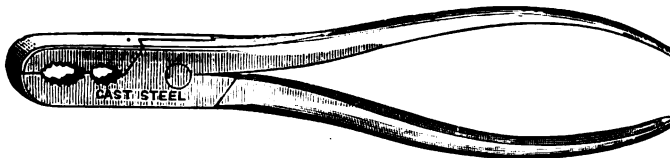


Code.....	Maggessand	Maggioli
Inches.....	5	6
Per dozen.....	\$9.25	10.50
Weight per doz., lbs.....	3¼	4½

One-half dozen in a box.

# **CAS PLIERS.**

CAST STEEL. NICKEL-PLATED.



Code.....	Magistero
Inches.....	7
Per dozen.....	\$11.75
Weight per doz., lbs.....	5½

One-half dozen in a box.

CAS PLIERS.

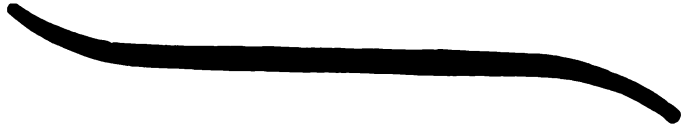
CAST STEEL. POLISHED JAWS. BLACK HANDLES.



Code.....	Magistrad	Magnanimo	Magnatibo	Magneticus	Magnetist	Magnetoid	Magnificos
Inches.....	8.	9	10	11	12	13	14
Per dozen.....	\$8.25	6.25	10.70	12.00	13.00	15.00	17.00
Weight per doz., lbs.....	6½	8	11	13	14	15	17
One-half dozen in a box.							

BENDING PINS.

STEEL. BOTH ENDS BENT.



Code.....	Magnitate
Length, inches.....	18½
Per dozen.....	\$3.50
Weight per doz., lbs.....	12
Loose.	

BLOW PIPES.

POLISHED BRASS.

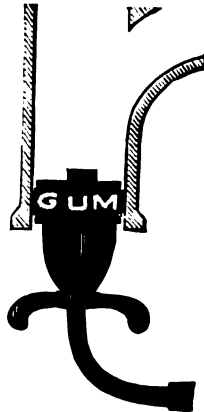
Code.....	Magofoni
Length, inches.....	10
Per dozen.....	\$4.50
Weight per doz., lbs.....	½
Loose.	

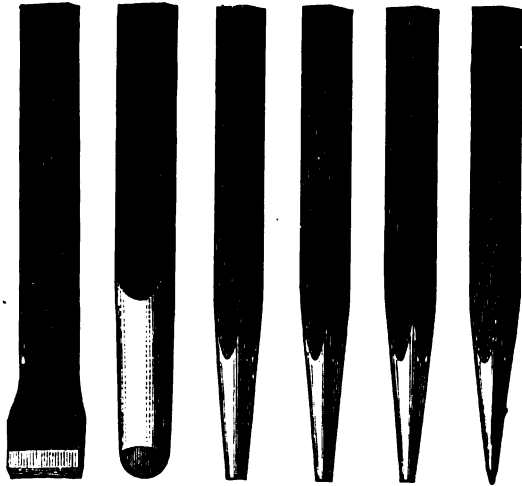


UNIVERSAL SOIL PIPE PLUGS.

This Plug will fit light, heavy, or extra heavy pipe, and make a perfect joint. For Hub Ends one size larger than bore of pipe must be used.

Code.....	Magrapher	Maguntina	Mahaleba
Size, inches.....	2	3	4
Each.....	\$1.00	1.25	1.50
Weight each, lbs.....	.....	.....	.....
Code.....	Mahlbaud	Mahlgest	
Size, inches.....	5	6	
Each.....	\$2.00	2.50	
Weight each, lbs.....	.....	8½	
Loose.			





# PUNCHES AND CHISELS.

IN SETS.

Consist of 1 Prick Punch, 1 Wire Chisel,  $\frac{3}{4}$  inch; 1 Lantern Chisel, 1 Solid Punch each, Nos. 3, 4 and 5.

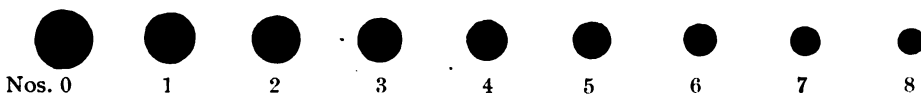
Code.....	Mahlzette
Per set.....	\$0.75
Weight per set, lb.....	1

One set in a box.

# SOLID PUNCHES.



Full size of Ends.

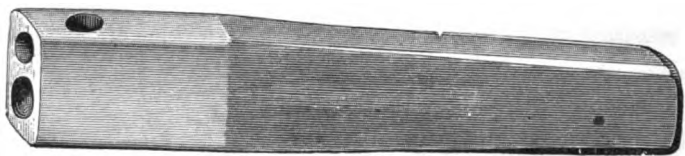


Code.....	Mahomedan	Maiblum	Maibowl	Maidpole	Maigroot	Mailleth	Maimed	Maimonate	Mainbower
Numbers.....	0	1	2	3	4	5	6	7	8
Inch .....	$\frac{9}{32}$	$\frac{8}{32}$	$\frac{7}{32}$	$\frac{6}{32}$	$\frac{5}{32}$	$\frac{4}{32}$	$\frac{3}{32}$	$\frac{2}{32}$	$\frac{3}{64}$
Each.....	\$0.12	.12	.12	.12	.12	.12	.12	.12	.12
Weight per doz., lbs.....	2	$1\frac{3}{8}$	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{8}$	$1\frac{1}{8}$	1	$\frac{3}{4}$

One dozen in a box.

RIVET SETS.

FORGED STEEL. POLISHED AND BLUED.



Full Size of Holes.

	Nos. 00	0	1	2	3	4	5	6	7	8
For iron rivets.....	14	10 and 12	8	6	4 and 5	2½ and 3	1¾ and 2	1½	1¼ lbs.	10 and 12 ozs.
For copper rivets Nos.....	5	6	7	8	9	10 and 11	12	13	14	
Code.....	Mainmort	Maintenon	Majalora	Majestade	Majordomo	Majorist	Malacate	Malachior	Malacoder	Malagmati
Numbers ...	00	0	1	2	3	4	5	6	7	8
Each.....	\$0.75	.75	.63	.63	.50	.50	.37	.37	.32	.32
Wt. per doz., lbs.	10	10	7¼	4¾	4½	4	3	2½	2½	2½

One-half dozen in a box.

PRICK PUNCHES.

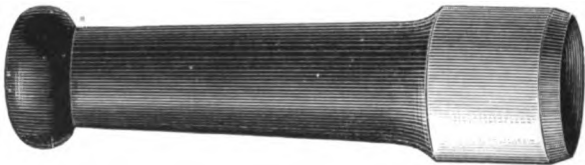


Code.....	Malakane
Each.....	\$0.12
Weight per doz., lb.....	1

One dozen in a box.

HOLLOW PUNCHES.

FORGED STEEL.



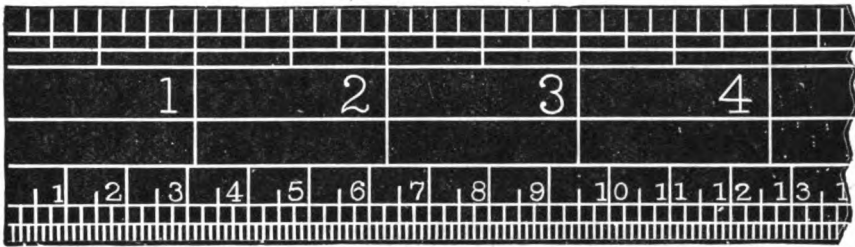
Code.....	Malandane	Malapert	Malavised	Malaxando	Malaxate	Malcovert	Maldecimo	Maldizent
Inches.....	¼	¾	½	¾	¾	7/8	1	1½
Each.....	\$0.25	.38	.50	.63	.75	.88	1.00	1.15
Weight per doz., lbs.....	1	1½	3	4	5	7	9	15
Code.....	Maledixer	Malefacto	Maletine	Malifera	Malignor	Malleator	Malmood	
Inches.....	1¼	1¾	1½	1¾	2	2¼	2½	
Each.....	\$1.25	1.38	1.50	1.75	2.50	2.82	3.13	
Weight per doz., lbs.....	17	19	22	32	34	36	48	

¼ to ½-inch, one dozen; ¾ to 1¼ inches, one-half dozen; 1½ to 2 inches, one-quarter dozen; 2¼ and 2½ inches, one-twelfth dozen in a box.



**TINNERS' RULES AND STRAIGHT EDGES.**

STEEL POLISHED. 16 GAUGE.



Section of Tinner's Rule. Entire Length, One Yard. No. 101.

This Tinner's Rule is an invaluable article for any practical tinner, and the cut is an exact representation so far as shown; its entire length is 36 inches. The upper line is the ordinary rule graduated by eighths of an inch. The lower line shows at a glance the exact circumference of any cylinder by simply ascertaining the diameter, *i. e.*, a vessel 5 inches in diameter the rule indicates to be  $15\frac{1}{4}$  inches in circumference.

The reverse side contains much useful information in large, plain figures, regarding the sizes of sixty different articles, such as cans, measures, pails, etc., with straight or flaring sides, flat or pitched top, liquid and dry measure in quarts, gallons and bushels. First is given the dimensions for vessels holding 1 to 5 gallons, liquid measure; second,  $\frac{1}{4}$  to 2 bushels, dry measure; third, cans with pitched top, 1 to 10 gallons; fourth, cans with flat top, 1 to 200 gallons; fifth, vessels holding 1 to 8 quarts and  $\frac{1}{2}$  bushel to 3 bushels, dry measure.

Code .....	Malpardi	Malpensate
Numbers.....	<b>76</b>	<b>101</b>
Each.....	\$1.00	2.50
Weight each, lbs.....	$\frac{1}{4}$	.....

No. 76 is a folding steel rule, 24 inches long, for pocket use. One side is graduated by sixteenths; on the other side, one edge is graduated by eighths, the other edge has circumference graduations.

Each Rule in a leather case.

**COMPASS SAWS.**

CAST STEEL. BEECH HANDLES.



Code.....	Malproper	Malquista	Malsano
Length, inches.....	<b>10</b>	<b>12</b>	<b>14</b>
Per dozen.....	\$5.50	6.00	6.50
Weight per doz., lbs.....	5	$5\frac{1}{2}$	6

One-half dozen in a box.

**DOUBLE EDGE SAWS.**

THREE SCREW. CAST STEEL. BEECH HANDLES.



Code.....	Malsicurd	Malstick
Length, inches.....	<b>16</b>	<b>18</b>
Per dozen.....	<b>\$11.00</b>	<b>12.00</b>
Weight per doz., lbs.....	<b>9</b>	<b>9½</b>

One-third dozen in a box.

**SINGLE EDGE SAWS.**

CAST STEEL. BEECH HANDLES.

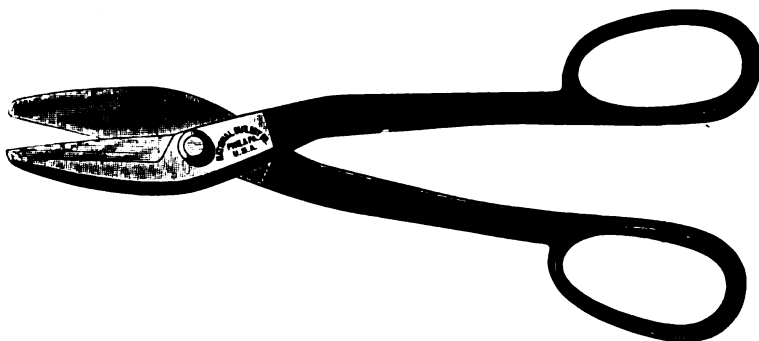


Code.....	Maltalent	Maltermate	Malthusia
Length, inches.....	<b>14</b>	<b>16</b>	<b>18</b>
Per dozen.....	<b>\$8.75</b>	<b>9.75</b>	<b>11.00</b>
Weight per doz., lbs.....	<b>7½</b>	<b>8½</b>	<b>9</b>

One-third dozen in a box.

**MENLO TINNERS' SHEARS OR SNIPS.**

FORGED STEEL. TEMPERED AND HARDENED. BLACK JAPANNED HANDLES.

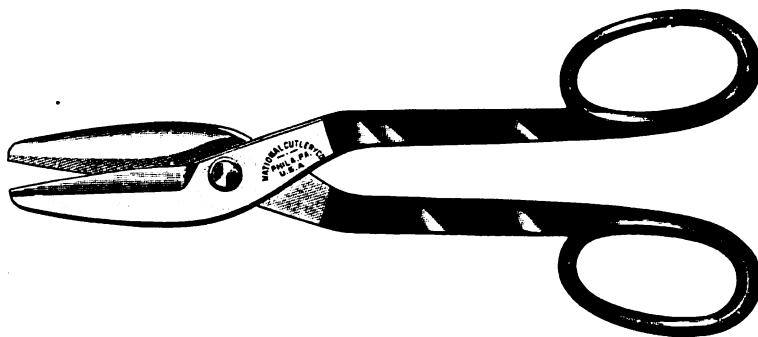


Code.....	Maltornite	Maltsters	Mambrino	Mamillare	Mamposter
Numbers.....	<b>6½</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
Full length, inches.....	<b>15</b>	<b>14¼</b>	<b>13</b>	<b>11¾</b>	<b>10</b>
Length of cut, inches.....	<b>4½</b>	<b>4</b>	<b>3½</b>	<b>3</b>	<b>2½</b>
Per pair.....	<b>\$3.00</b>	<b>2.50</b>	<b>2.00</b>	<b>1.50</b>	<b>1.40</b>
Weight per pair, lbs.....	<b>4</b>	<b>3</b>	<b>2½</b>	<b>2</b>	<b>1½</b>

Two pair in a package.

**MENLO TINNERS' SHEARS OR SNIPS.**

FORGED STEEL. TEMPERED AND HARDENED.. BLACK JAPANNED HANDLES. FOR CUTTING  
CIRCLES, IRREGULAR AND STRAIGHT LINES.

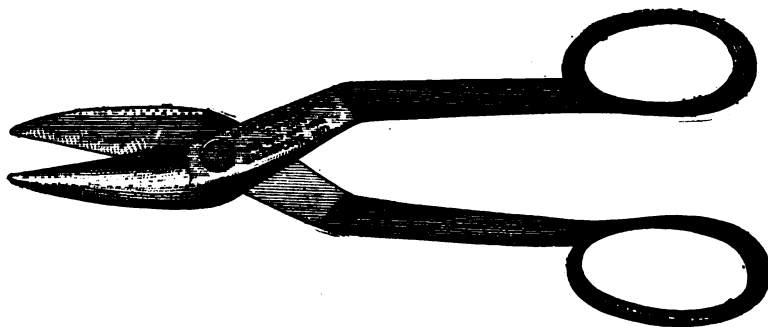


Code.....	Mamselle	Manacht	Manacted
Numbers.....	<b>17</b>	<b>18</b>	<b>19</b>
Full length, inches.....	14¼	13	11¾
Length of cut, inches.....	4	3½	3
Per pair.....	\$2.50	2.00	1.50
Weight per pair, lbs.....	3	2½	2

Two pair in a package.

**“LYON” SHEARS OR SNIPS.**

FORGED HANDLES. STEEL BLADES. FOR CUTTING SCROLLS AND CIRCLES.

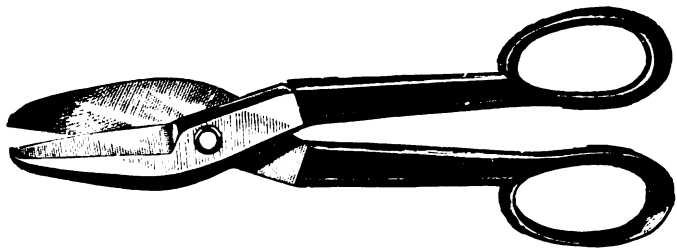


Code.....	Manalgic	Manamino	Manastaba	Manbind
Numbers.....	<b>65</b>	<b>70</b>	<b>80</b>	<b>90</b>
Length of cut, inches.....	4½	4	3½	3
Per pair.....	\$3.00	2.50	2.00	1.50
Weight per pair, lbs.....	3	2½	2	1½

One pair in a package.

P. S. & W. CO. TINNERS' SHEARS AND SNIPS.

LEFT HAND.



We sometimes have call for Snips for left handed men, but a left hand Snip, as we apply the term, is not intended for a left-handed man.

Confusion often arises as to the meaning of the terms right and left hand, as applied to Snips. Right hand are made like Bench Shears, and left hand opposite. That is, when held in the right hand the lower blade is on the right side of the Shears in right hand Shears, and on the left hand in left hand Shears. Left hand only are shown in the cuts. Left hand Snips are more generally used, and are invariably sent unless right hand are ordered.

All Snips stamped "P. S. & W. Co." are of the highest grade of excellence and fully warranted.

Code.....	Manchart	Manchman	Mancinos	Mancipibo	Mancorne	Mandalou
Numbers.....	6½	7	8	9	10	11
Length of cut, inches.....	4½	4	3½	3	2½	2
Per pair .....	\$3.00	2.50	2.00	1.50	1.40	1.25
Weight per pair, lbs.....	3	2½	2	1½	1	½

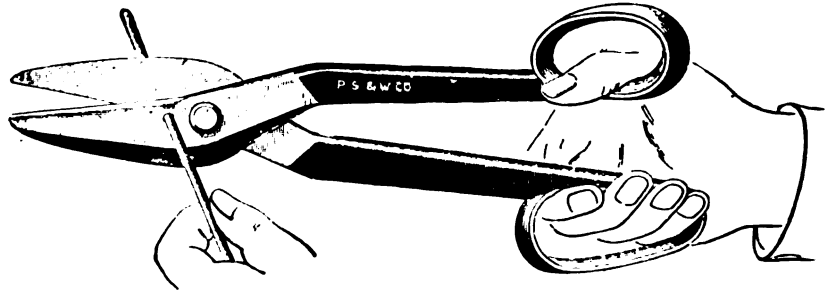
One pair in a package.

Right Hand Snips.

Code.....	Mandamus
Number.....	8
Length of cut, inches.....	3½
Per pair.....	\$2.00

P. S. & W. CO. TINNERS' SHEARS AND SNIPS.

GERMAN PATTERN. WITH WIRE CUTTER.

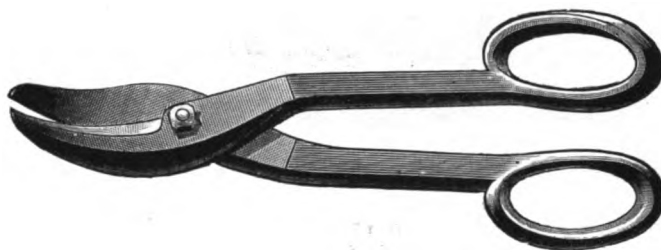


Code.....	Mandarine	Mandate	Mandator	Mandelkort
Numbers.....	2	3	4	5
Length of cut, inches.....	4	3½	3¼	3
Per pair .....	\$2.50	2.00	1.75	1.50
Weight per pair, lbs.....	2¼	2¼	2	1½

One pair in a package.

**P. S. & W. CO. CIRCULAR SHEARS OR SNIPS.**

BEST QUALITY.

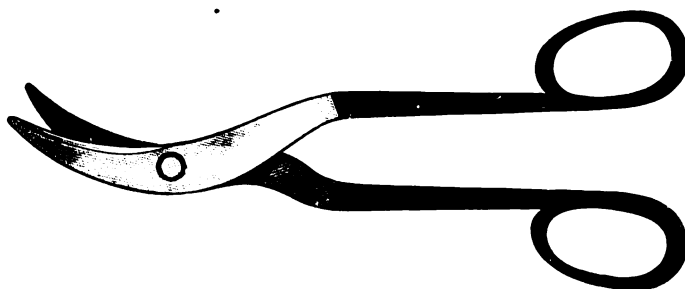


Code .....	Mandelzag	Mandibule	Mandrango	Mandrillo
Numbers.....	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
Per pair.....	\$3.50	3.00	2.50	2.25
Weight per pair, lbs.....	2½	2	1½	1

One pair in a package.

**P. S. & W. CO. HAWK'S BILL SHEARS.**

BEST QUALITY.



The above cut represents a Curved Shear of real worth and great merit. It is capable of cutting in sheet metal openings of any kind and shape. Letters are easily cut out from sheet metal. They are especially adapted for cutting off the bottoms of metal vessels and for cutting openings in pipes or cylinders of every description, for furnace jackets, thimbles, tee joints, etc. A bottom can be cut from a pint cup or a copper boiler with equal ease.

Code .....	Mandrocle
Number.....	<b>15</b>
Per pair.....	\$3.00
Weight per pair, lb.....	1

One pair in a package.

**DOUBLE-CUTTING SHEARS AND PIPE CRIMPERS.**

BEST QUALITY.



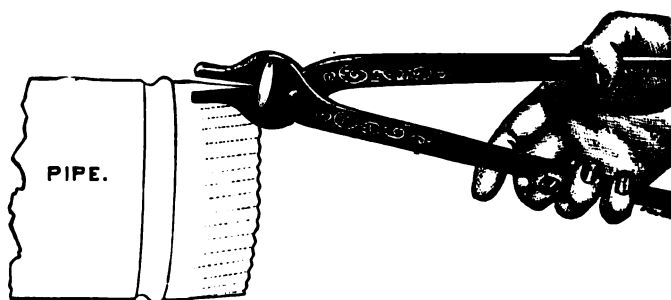
These double-cutting Shears combined with a Pipe Crimper are now well known. The blade is pointed and readily inserted in the metal at the point desired to begin the cutting. They are adapted to cutting off the bottoms of pails, cans, etc., and suitable for cutting round or square work. The crimping attachment is designed for crimping any kind of sheet metal pipe, round or square. The parts are interchangeable and the crimping jaws are of steel.

Code .....	Manufact
Number.....	2
Length, inches .....	13
Per pair.....	\$3.00
Weight per pair, lbs.....	2

One pair in a package.

**PACKHAM CRIMPING TONCS.**

BLACK JAPANNED.



Code .....	Manufact
Length, inches .....	13 1/2
Per pair.....	\$0.75
Weight per pair, lbs.....	1

One pair in a package.

# TINNERS' BENCH SHEARS.

FORGED STEEL.



Code .....	Mangatori	Mangedour	Mangimel	Mangobam	Mangonite	Mangostan	Manifesto	Manigraph
Numbers.....	<b>00</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Length of cut, inches.....	12	10½	9	8¾	8¾	8	7	6
Per pair.....	\$13.50	12.00	8.00	7.00	6.00	5.00	4.00	3.50
Weight per pair, lbs.....	37	28	22	18	13	11	9	7

One pair in a package.

# TINNERS' ELBOW BENCH SHEARS.

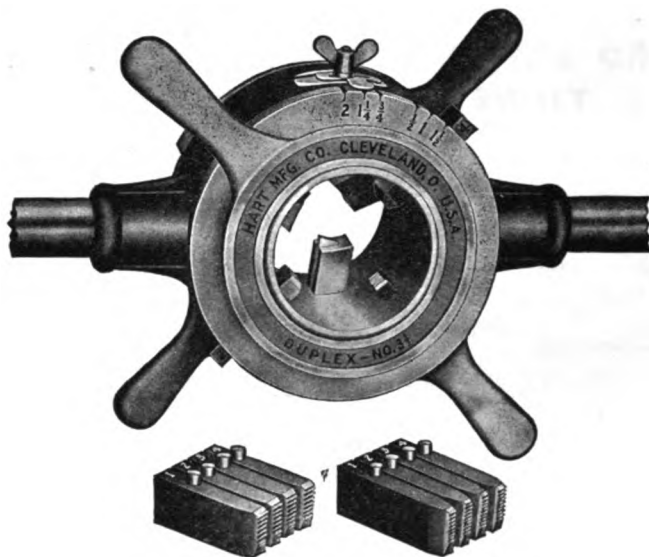
BEST QUALITY FORGED STEEL.

Code .....	Manilargo	Manipolar
Style.....	Regular	Extra Heavy
Length of cut, inches.....	4	6
Per pair.....	\$5.25	12.00
Weight per pair, lbs.....	13	25

One pair in a package.

**IMPROVED "DUPLEX" PIPE STOCKS AND DIES.**

RIGHT HAND DIES. BOTH GUIDES AND DIES INSTANTLY ADJUSTABLE.

**Without Cut-Off.**

Code.....	Manipulon	Mannabred	Mannerist
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
Pipe sizes each tool will thread and cut, inches.....	$\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{3}{8}$ , $\frac{1}{2}$ , $\frac{3}{4}$	$\frac{1}{4}$ , $\frac{3}{8}$ , $\frac{1}{2}$ , $\frac{3}{4}$ , 1, 1 $\frac{1}{4}$	1, 1 $\frac{1}{4}$ , 1 $\frac{1}{2}$ , 2
Each complete.....	\$13.00	17.00	22.00
Weight each, lbs.....	9	18	22
Code.....	Mannikin	Mansharp	Manshirk
Numbers.....	<b>3 <math>\frac{1}{2}</math></b>	<b>4</b>	<b>5</b>
Pipe sizes each tool will thread and cut, inches.....	$\frac{1}{2}$ , $\frac{3}{4}$ , 1, 1 $\frac{1}{4}$ , 1 $\frac{1}{2}$ , 2	1 $\frac{1}{2}$ , 2, 2 $\frac{1}{2}$ , 3	2 $\frac{1}{2}$ , 3, 3 $\frac{1}{2}$ , 4
Each complete.....	\$25.00	40.00	55.00
Weight each, lbs.....	24	25	53

**With Cut-Off.**

Code.....	Mansteel	Mantares	Mantecado	Mantedore	Manteleri	Manterose
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>	<b>3 <math>\frac{1}{2}</math></b>	<b>4</b>	<b>5</b>
Each.....	\$16.00	20.00	25.00	28.00	45.00	60.00

One in a case.

Will be sent with Cut-off unless otherwise ordered.

**Extra Dies. Right Hand.**

Numbers.....	1	2	3	3½	4	5
Weight per set of 4, lbs.....	1½	2½	2¾	3½	4¼	5
Sizes Each Set Cuts, Inches.	Code.	Per Set.	Code.	Per Set.	Code.	Per Set.
1/8 .....	Manyply .....	\$1.50				
¼ and 3/8 .....	Marabute.....	1.50	Mauraudon.....	\$1.75		
½ and ¾ .....	Maratheno.....	1.50	Marcadoir.....	1.75	Mardoche.....	\$2.00
1 and 1¼ .....			Marchama .....	1.75	Marchesa.....	\$2.00
1½ and 2 .....					Margaret.....	2.00
2½ and 3 .....					Margritin.....	2.00
3½ and 4 .....					Maribond.....	\$3.50
					Maridant.....	3.50
					Marimoren.....	\$4.00
					Mariolate.....	4.00

Left Hand Dies can be furnished.

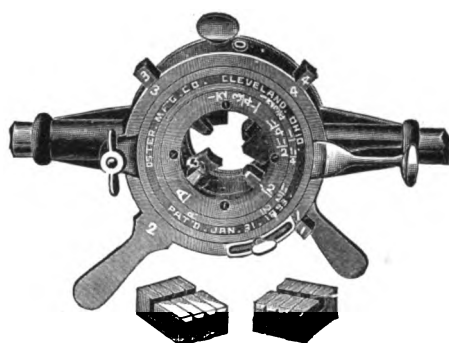
**Extra Knives or Cut-Off Tools.**

Code.....	Mariputz	Maritando	Maritorne	Marketer	Marline	Marmardet
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>	<b>3 <math>\frac{1}{2}</math></b>	<b>4</b>	<b>5</b>
Each.....	\$0.40	.40	.40	.40	.50	.50



# **"OSTER" PIPE STOCKS AND DIES.**

RIGHT HAND DIES. FOR IRON AND BRASS PIPES.



## **Without Cut-Off.**

Code.....	Marmitone	Marmolist	Marobud
Numbers.....	<b>1</b>	<b>1 1/2 A</b>	<b>2</b>
Pipe sizes each tool will thread and cut, inches...	1/8, 1/4, 3/8, 1/2, 3/4	1/4, 3/8, 1/2, 3/4, 1	1/4, 3/8, 1/2, 3/4, 1, 1 1/4
Each.....	\$13.00	14.00	17.00
Weight each, lbs.....	9	13	20
Code.....		Marotage	Marquise
Numbers.....		<b>3</b>	<b>4</b>
Pipe sizes each tool will thread and cut, inches.....		1, 1 1/4, 1 1/2, 2	1/2, 3/4, 1, 1 1/4, 1 1/2, 2
Each.....		\$22.00	25.00
Weight each, lbs.....		.....	33

## **With Cut-Off.**

Code.....	Marsbank	Marshine	Martelare	Martialit:	Martino	Marzacot	Mascaremo
Numbers.....	<b>1</b>	<b>1 1/2 A</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Each.....	\$16.00	17.00	20.00	25.00	28.00	45.00	60.00

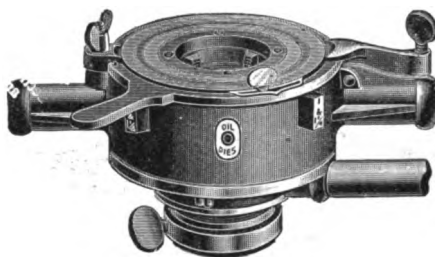
One in a case.

Nos. 5 and 6 have four arms.

Will be sent with Cut-off unless otherwise ordered.

**"OSTER" RATCHET STOCKS WITH CUT-OFF.**

WITH RIGHT HAND DIES.



Code.....	Mascarpin	Mascorale
Numbers .....	7	8
Pipe sizes each tool will thread and cut, inches.....	1, 1¼, 1½, 2	2½, 3, 3½, 4
Each .....	\$28.00	(65.00)
Weight each, lbs.....	30	75

One in a case.

**Extra Dies. Right Hand.**

Numbers.....	1	1½A	2	8	4
Weight per set.....	2	.....	3	.....	3½

Sizes Each Set Cuts, Inches.	Code.	Per Set.	Code.	Per Set.	Code.	Per Set.	Code.	Per Set.	Code.	Per Set.
1/8.....	Masculine.....	\$1.50	Masonica.....	\$1.50	Massalite.....	\$1.75				
1/4 and 3/8.....	Masculoro.....	1.50	Masquer.....	1.50	Massiment.....	1.75			Mastbook.....	\$2.00
1/2 and 3/4.....	Maskeballe.....	1.50	Massadike.....	1.50	Massolet.....	1.75	Massregel.....	\$2.00	Mastgate.....	2.00
1.....							Mastalgic.....	2.00	Masticamo.....	2.00
1 and 1¼.....										
1½ and 2.....										

Numbers.....	5	6	7	8
Weight per set.....	4	4½	.....	.....

Sizes Each Set Cuts, Inches.	Code.	Per Set.	Code.	Per Set.	Code.	Per Set.	Code.	Per Set.
1 and 1¼.....					Mastuerdo.....	\$2.50		
1½ and 2.....	Masticind.....	\$3.00			Masurian.....	2.50		
2½ and 3.....	Mastigod.....	3.00	Mastkort.....	\$3.50			Mataborra.....	\$3.50
3½ and 4.....			Mastramel.....	3.50			Matacanto.....	3.50

Left Hand Dies can be furnished.

**ARMSTRONG'S ADJUSTABLE STOCKS AND DIES.**

WITH RIGHT HAND DIES, FOR THREADING PIPE.



Code .....	Matadour	Matahumo
Numbers .....	<b>2</b>	<b>8</b>
Pipe sizes of dies, inches .....	$\frac{1}{4}$ , $\frac{3}{8}$ , $\frac{1}{2}$ , $\frac{3}{4}$ , 1	1, $1\frac{1}{4}$ , $1\frac{1}{2}$ , 2
Each .....	\$12.00	24.00
Weight each, lbs .....	17	40

One set in a box.

**Right and Left Hand Extra Dies. No. 2 Stock.**

Code, right hand .....	Mataperro	Matavondu	Matenmake	Matercule	Maternida	Maternote
Code, left hand .....	Mathanid	Matigend	Matilicad	Matiscor	Matizado	Matlock
Inch .....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	<b>1</b>
Per set .....	\$1.50	1.50	1.50	1.50	1.50	1.50

**Right and Left Hand Extra Dies. No. 3 Stock.**

Code, right hand .....	Matarcurd	Matricart	Matrimode	Matronal
Code, left hand .....	Matserve	Matshame	Mattamost	Mattenborn
Inches .....	<b>1</b>	<b>1<math>\frac{1}{4}</math></b>	<b>1<math>\frac{1}{2}</math></b>	<b>2</b>
Per set .....	\$4.00	4.00	4.00	4.00

**Extra Bushings. No. 2 Stock.**

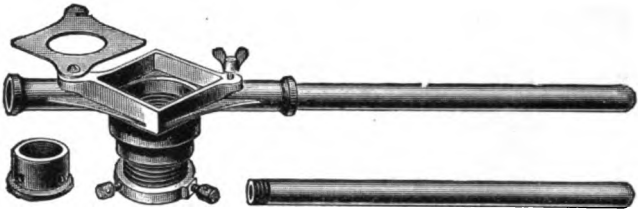
Code .....	Mattgelt	Matulare	Maturame	Maturando	Maudiron	Maudisson
Inch .....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	<b>1</b>
Each .....	\$0.25	.25	.25	.25	.25	.25

**Extra Bushings. No. 3 Stock.**

Code .....	Mauerbrut	Mauerkron	Mauerspat	Maugrape
Inches .....	<b>1</b>	<b>1<math>\frac{1}{4}</math></b>	<b>1<math>\frac{1}{2}</math></b>	<b>2</b>
Each .....	\$0.50	.50	.50	.50

“HOLLAND’S” PIPE STOCKS AND DIES.

WITH RIGHT HAND DIES AND GUIDES.



Code.....	Maulfrom	Maulklem
Numbers.....	1	2
Dimensions of dies, inches.....	2½x2½x¾	4x4x¾
Pipe sizes of dies, inches.....	¼, ¾, ½, ¾, 1	1¼, 1½, 2
Each, complete.....	\$15.00	20.00
Weight each, complete, lbs.....	16	26

Leader Screws used on No. 2 Stocks.  
One in a box.

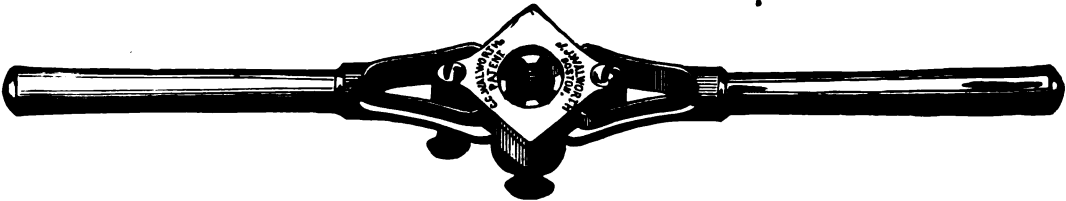
HOLLAND’S STOCKS ONLY.

Code.....	Maulstack	Maumlet
Numbers.....	1	2
Each.....	\$5.00	9.50

Loose.

WALWORTH’S PIPE STOCKS AND DIES.

WITH RIGHT HAND DIES AND GUIDES.



Code.....	Maunder	Mauricote
Numbers.....	1	2
Dimensions of dies, inches.....	2½x2½x¾	4x4x¾
Pipe sizes of dies, inches.....	¼, ¾, ½, ¾, 1	1¼, 1½, 2
Each, complete.....	\$15.00	20.00
Weight each, complete, lbs.....	15	28

Leader Screws used on No. 2 Stocks.  
One in a box.

Extras For Walworth Stocks.

Code	Number 1	Each	Code	Number 2	Each
Mauritan	Part	\$0.25	Mausoleum	Part	\$0.25
Mauserite	Plate Screw	.50	Mavortica	Plate Screw	.75
Mauserize	Cap Plates	.75	Mayoret	Cap Plate	1.50
	Handles			Leader Screw	

# HOLLAND'S RATCHET PIPE STOCKS.

WITH SHIELDS COVERING RATCHET WHEELS.

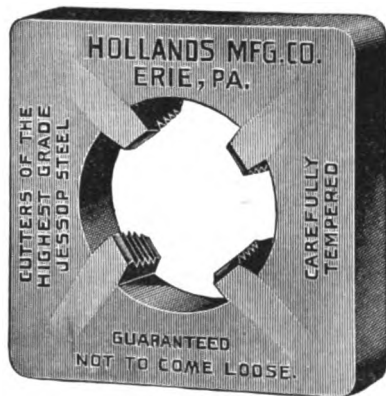


Code.....	Mazapani	Mazzacort
Numbers.....	1	2
Dimensions of dies, inches.....	2½x2½x¾	4x4x¾
Pipe sizes of dies, inches.....	¼, ⅜, ½, ¾, 1	1, 1¼, 1½, 2
Length, inches.....	20	36
Each.....	\$9.00	13.00
Weight each, lbs.....	7	21

Price does not include dies.

# HOLLAND'S PIPE DIES.

CUTTERS ARE MADE OF THE HIGHEST GRADE JESSOP STEEL.



**Right or Left Hand Dies. For No. 1 Stocks 2½x2½x¾ inches.**

Code, right hand.....	Meacurar	Meanders	Meatoribo	Mecadura	Meconopsi	Medclade
Code, left hand.....	Mediador	Medianist	Mediatize	Medicabel	Medicanto	Medicatrix
Pipe size, inch.....	¼	¼	¾	½	¾	1
Each.....	\$2.00	2.00	2.00	2.00	2.00	2.00

**Right or Left Hand Dies. For No. 2 Stocks 4x4x¾ inches.**

Code, right hand.....	Mediolor	Meditamo	Meditator	Medontida	Medrabamo
Code, left hand.....	Medullate	Medusia	Meelkite	Meerballe	Meerdiste
Pipe size, inches.....	¾	1	1¼	1½	2
Each.....	\$3.50	3.50	3.50	3.50	3.50

We always ship Right Hand Dies unless Left Hand are ordered.

**BUSHINGS OR GUIDES.****For No. 1 Stocks.**

Code.....	Meerhund	Meftism
Pipe size, inch.....	$\frac{1}{8}$	$\frac{1}{4}$
Each.....	\$0.35	.35



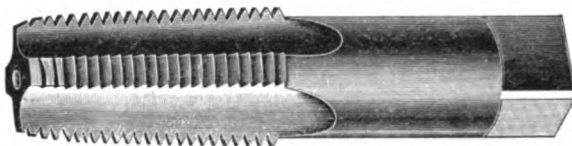
Code.....	Megalense	Megalith	Meidenhesl
Pipe size, inch.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Each.....	\$0.35	.35	.35

**For No. 2 Stocks.**

Code.....	Meissel	Mejicano	Mejoramo	Melampit	Melamtheme
Pipe size, inches.....	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Each.....	\$0.60	.60	.60	.60	.60

**PIPE TAPS.**

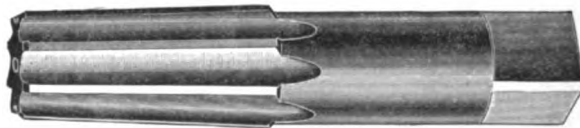
RIGHT AND LEFT HAND.



Code, right hand.....	Melanchro	Melanfile	Melangion	Melanure	Melardine	Melastome	Melchiade	Meldekar	Melenuo
Code, left hand.....	Meletide	Meliboca	Melifique	Meliorate	Meliphage	Melisford	Melizomi	Melkacht	Melkbad
Size pipe, inches.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Each.....	\$1.12	1.25	1.50	1.87	2.50	3.12	3.75	4.62	6.25
Weight each, lbs.....	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	1 $\frac{1}{4}$	2	2 $\frac{1}{2}$	4

Pipe Taps are sent with Right Hand Threads unless Left Hand is specified.

One in a box.

**PIPE REAMERS.**

Code.....	Melkdiste	Melkgeite	Melkschut	Mellicrat	Mellifero	Mellowed	Melocarpo	Melodian
Size pipe, inches.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Each.....	\$1.25	1.50	1.87	2.50	3.12	3.75	4.62	6.25

Sizes of twist drills to be used in boring holes to be reamed with pipe reamer and threaded with pipe tap are as follows:—

Pipe tap, inches.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Drill diameter, inches.....	$\frac{21}{64}$	$\frac{23}{64}$	$\frac{27}{64}$	$\frac{29}{64}$	$\frac{33}{64}$	$\frac{1}{2}$	$\frac{11}{16}$	$\frac{13}{16}$	$\frac{21}{16}$

## DIAMOND VISES.

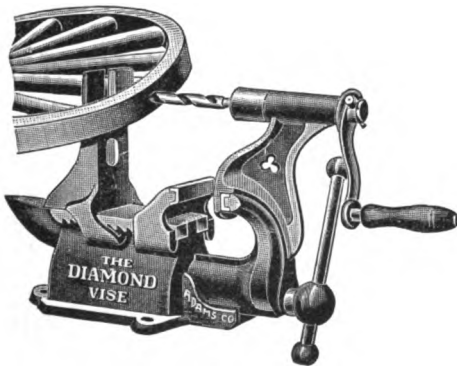
JAWS  $4 \times 7\frac{1}{4}$  INCHES, STEEL FACED. ANVIL FACE  $3 \times 7$  INCHES. STEEL SCREW  $\frac{3}{4} \times 10\frac{1}{2}$  INCHES.

HOLDS PIPES FROM  $\frac{1}{2}$  TO 2 INCHES. BODY PAINTED GREEN.



Code.....	Melodrama
Each .....	\$3.00
Weight packed, lbs.....	42

One in a case.



## DIAMOND VISES WITH DRILLING ATTACHMENT.

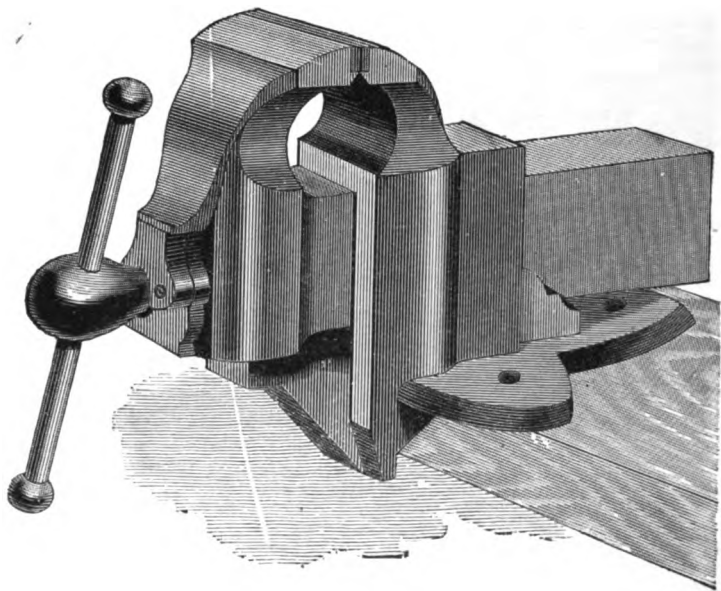
WILL TAKE SQUARE SHANK DRILLS UP TO  $\frac{3}{4}$  INCH.

Code .....	Membrane
Each.....	\$5.00
Weight complete, lbs.....	57

Drill Attachments are packed separate.

TINNERS' PARALLEL VISES.

POLISHED STEEL JAWS.



The above Vise is of superior quality. The Jaws are faced with hardened Steel. Adapted to general use.

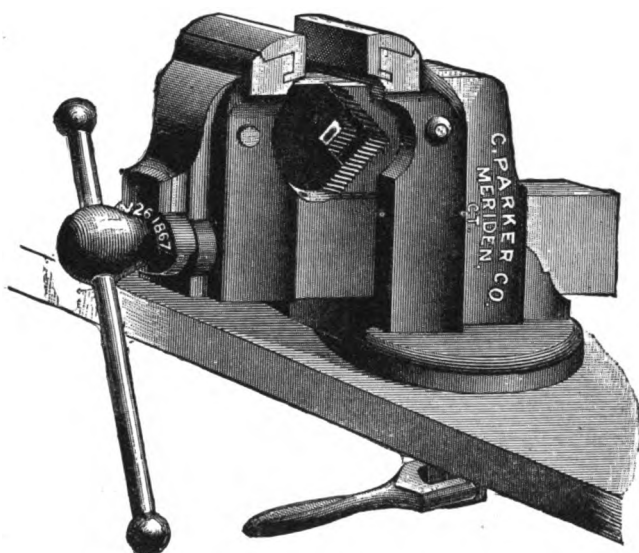
Code .....	Membrato
Number .....	200
Width of jaws, inches .....	4 1/2
Jaws open, inches .....	5 1/2
Each .....	\$8.50
Weight each, lbs.....	42 1/2

Loose.



**PARKER'S COMBINATION VISES.**

SWIVEL BOTTOMS. FOR MACHINE SHOPS, ETC.



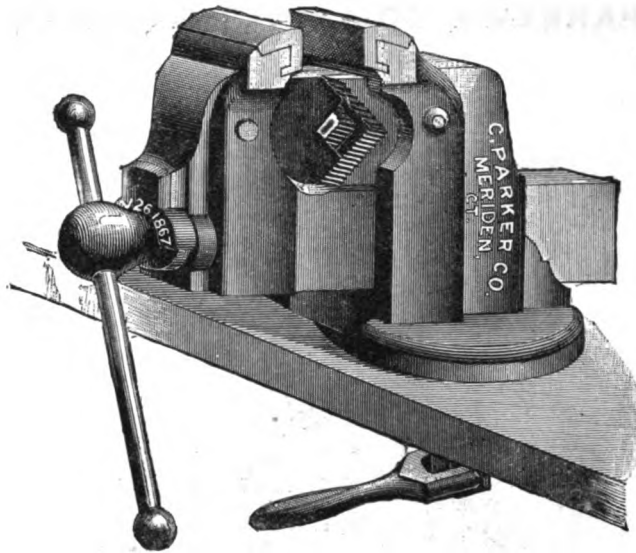
The Steel Faces of these Vises are milled and fitted to the Jaws, and are renewable at a trifling cost.

Code .....	Membrille	Meml rusto
Numbers.....	<b>87</b>	<b>88</b>
Width of jaws, inches .....	$3\frac{5}{8}$	$4\frac{1}{8}$
Jaws open, inches.....	5	$5\frac{1}{2}$
Hold pipe, inches .....	$\frac{1}{8}$ to 2	$\frac{1}{4}$ to 3
Each .....	<b>\$16.00</b>	<b>20.00</b>
Weight each, lbs.....	41	59

Loose.

# PARKER'S COMBINATION VISES.

SWIVEL BOTTOMS. GRAY IRON. FOR TINNERS, PLUMBERS, ETC.



Code .....	Memoire	Memoirist
Numbers.....	7	8
Width of jaws, inches.....	3½	4½
Jaws open, inches.....	5	5½
Hold pipe, inches.....	1½ to 2	¼ to 3
Each .....	\$16.00	20.00
Weight each, lbs.....	41	59

Loose.

## Extra Pipe Jaws for Parker Vises.

Code.....	Memorate	Menalippo	Menapico	Menchere
Numbers .....	87	88	7	8
Per pair .....	\$3.00	3.00	3.00	3.00

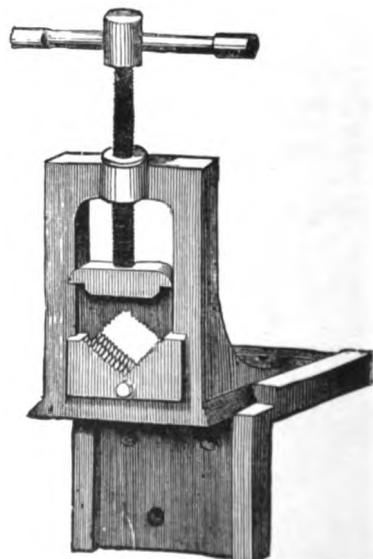
# ANGLE PLATE VISES.

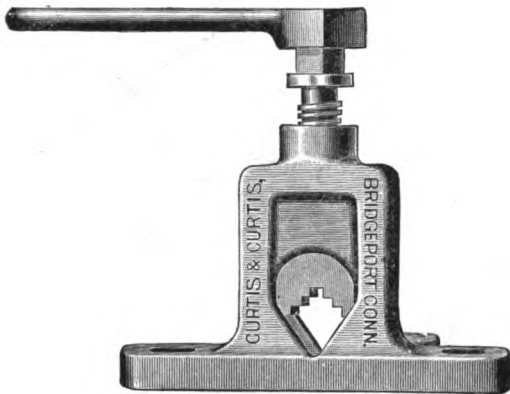
Code.....	Mendacita	Menderest
Numbers .....	1	2
Hold pipe, inches.....	1½ to 2	¼ to 3
Each .....	\$8.00	15.00
Weight each, lbs.....	32	52

Loose.

## Extra Jaws.

Code.....	Mendicamo	Mendiculo
Numbers .....	1	2
Per set .....	\$2.50	3.50



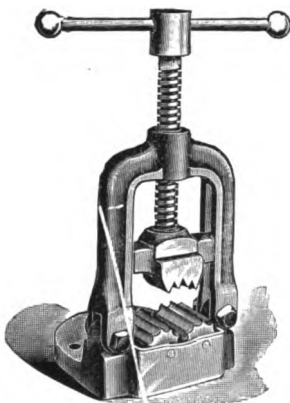


## MALLEABLE IRON PIPE VISES.

FOR POCKET OR TOOL CHEST.

Code .....	Mendigaro	Mendizaba
Numbers.....	<b>1</b>	<b>2</b>
Range, inches.....	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{8}$ to 2
Each .....	\$3.00	6.00
Weight each, lbs.....	2½	12

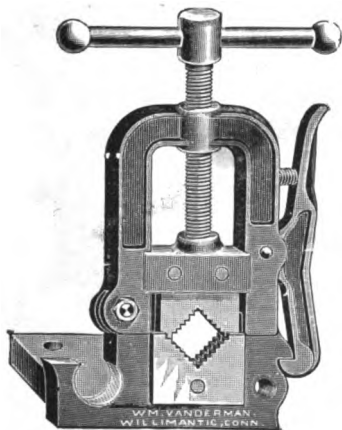
Loose.



## KEYSTONE PIPE VISES.

MALLEABLE IRON. WITH ROLLER JAWS.

Code .....	Meneclito	Menelaud
Numbers.....	<b>R</b>	<b>RR</b>
Range, inches .....	$\frac{1}{8}$ to 2	$\frac{1}{4}$ to 3
Each .....	\$4.00	8.00
Weight each, lbs.....	10	18



## HINGED COMBINATION PIPE VISES.

MALLEABLE IRON. WITH BENDING FORMS.

Strong and practical. Will give satisfaction for holding or bending pipe. The two bending forms in this Vise will be found a very useful feature, and do not interfere with the jaws or strength of the Vise. The form on the left of the Vise has a flat surface on top which makes a handy place to hammer on. Jaws are of best tool steel and can be sharpened or duplicated.

Code.....	Mengretia	Menguado	Menigrepo
Numbers.....	<b>1</b>	<b>2</b>	<b>3</b>
Range, inches.....	$\frac{1}{8}$ to 1¼	$\frac{1}{8}$ to 2	$\frac{1}{8}$ to 2½
Each .....	\$8.00	9.00	10.00
Weight each, lbs.....	6	10	18

Loose.

**SAUNDERS' HINGED PIPE  
VISES.**

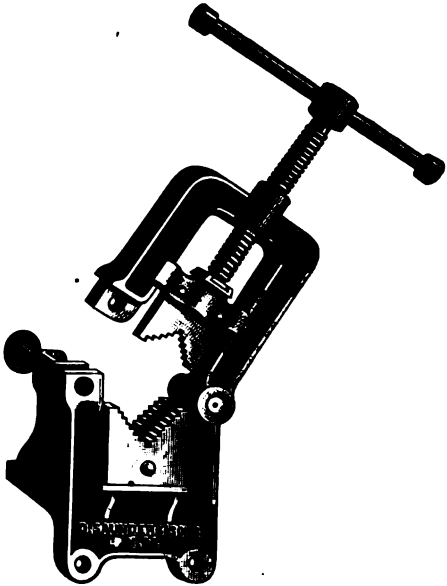
MALLEABLE IRON. STEEL JAWS.

Code.....	Meniscost
Number.....	1
Range, inches.....	1/8 to 2
Each.....	\$10.00
Weight each, lbs.....	18

Loose.

**Extra Jaws.**

Code.....	Mennonism
Per set.....	\$3.50



**ARMSTRONG'S HINGED PIPE  
VISES.**

MALLEABLE IRON. STEEL JAWS.

Code.....	Menogenic	Menomass
Numbers.....	1	2
Range, inches.....	1/8 to 2 1/2	1/2 to 4 1/2
Each.....	\$10.00	20.00
Weight each, lbs.....	10	40

Loose.

No. 1 is a light pattern.

**Extra Upper Jaws.**

Code.....	Mensagero	Mensolette
Numbers.....	1	2
Each.....	\$0.50	.75

**Extra Lower Jaws.**

Code.....	Mensuraba	Mensuride
Numbers.....	1	2
Per pair.....	\$1.00	1.50



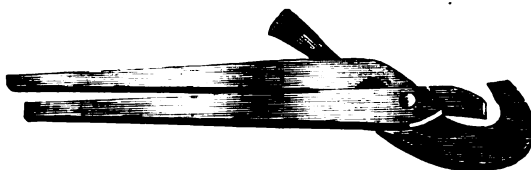
**PLAIN PIPE TONGS.**

Code.....	Mentagrim	Mentecapo	Menticard	Mentoriam	Mentovate
Size pipe, inch.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Each.....	\$0.65	.70	.75	.90	1.10
Code.....	Mentulato	Menudeam	Menulphor	Mephitibo	Merathane
Size pipe, inches.....	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3
Each.....	\$1.30	1.50	1.90	2.50	3.50

Loose.

**BROWN'S ADJUSTABLE PIPE TONGS.**

FORGED STEEL.



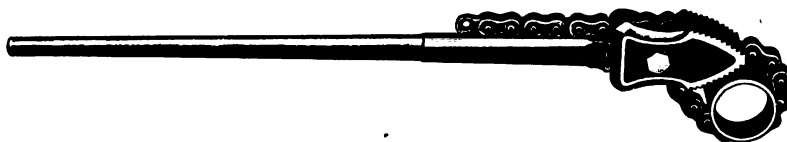
Code.....	Mercador	Mercando	Mercapit	Mercatoris	Mercedes
Numbers.....	1	1 $\frac{1}{2}$	2	3	4
Takes pipe, inches.....	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{3}{8}$ to 1	$\frac{1}{2}$ to 1 $\frac{1}{4}$	1 to 2	1 $\frac{1}{2}$ to 3
Each.....	\$1.30	1.65	2.00	3.00	6.00
Weight each, lbs.....	3 $\frac{1}{4}$	4 $\frac{1}{2}$	7 $\frac{1}{4}$	10 $\frac{1}{2}$	21

Loose.

**VULCAN CHAIN TONGS.**

WITH FLAT LINK CHAINS. WROUGHT STEEL. DROP FORGED JAWS, SAW TEMPERED. WILL NOT

CRUSH PIPE.



Code.....	Mercemere	Mercenary	Merciful	Mercurial
Numbers.....	11	12	13	14
Takes pipe, inches.....	$\frac{1}{8}$ to 1 $\frac{1}{2}$	$\frac{1}{4}$ to 2 $\frac{1}{2}$	$\frac{3}{4}$ to 4	1 $\frac{1}{2}$ to 8
Length over all, inches.....	20	27	37	50 $\frac{1}{2}$
Length of chains, inches.....	13 $\frac{1}{2}$	17 $\frac{1}{2}$	22 $\frac{1}{2}$	39
Each.....	\$3.50	5.00	7.00	11.00
Weight each, lbs.....	4 $\frac{3}{4}$	8 $\frac{3}{4}$	16	29

Loose.

**TRIMO PIPE WRENCHES.**

FORGED STEEL. PARTS INTERCHANGEABLE.



Code.....	Merendamo	Mergachte	Mergelnut	Mergende	Mergitand	Merguloro	Mericarte	Meridiano
Length, inches.....	<b>6</b>	<b>8</b>	<b>10</b>	<b>14</b>	<b>18</b>	<b>24</b>	<b>36</b>	<b>48</b>
Takes from.....	$\frac{1}{8}$ -in. wire to $\frac{1}{2}$ -in. pipe	$\frac{1}{8}$ -in. wire to $\frac{3}{4}$ -in. pipe	$\frac{1}{8}$ -in. wire to 1-in. pipe	$\frac{1}{4}$ -in. wire to 1 $\frac{1}{2}$ -in. pipe	$\frac{1}{4}$ -in. wire to 2-in. pipe	$\frac{1}{4}$ -in. wire to 2 $\frac{1}{2}$ -in. pipe	$\frac{1}{2}$ -in. pipe to 3 $\frac{1}{2}$ -in. pipe	1-in. pipe to 5-in. pipe
Each.....	\$2.00	2.00	2.25	3.00	4.00	6.00	12.00	18.00
Weight each, lbs.....	1	1 $\frac{1}{4}$	2	4 $\frac{1}{4}$	6 $\frac{3}{4}$	10 $\frac{1}{2}$	23 $\frac{1}{3}$	.....

**Jaws for Trimo Wrenches.**

Code.....	Merigarter	Merismate	Merkmale	Merlatare	Merlinant	Mermoline	Merodista	Meropidan
Each.....	\$0.67	.67	.75	1.00	1.33	2.00	4.00	6.00

**Insert Jaws for Trimo Wrenches.**

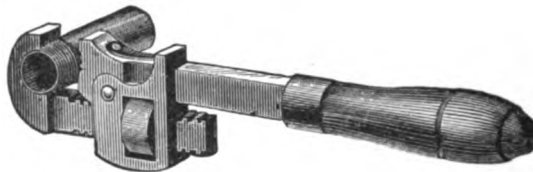
Code.....	Merrimac	Merrymen	Mersanto	Mersitabo	Mersitema	Mertaredum	Merulente	Mesallion
Each.....	\$0.25	.25	.33	.50	.55	.65	1.00	1.25

**Nuts for Trimo Wrenches.**

Code.....	Mesarfeld	Mescoland	Mesianism	Mesmerist	Mesocrat	Mesogaste	Mesolithic	Mesomela
Each.....	\$0.20	.20	.27	.35	.42	.50	.65	.80

**Frames for Trimo Wrenches.**

Code.....	Mesopodi	Mesorchis	Messapius	Messemark	Mestanden	Mestichin	Mestizaro	Mestoland
Each.....	\$0.25	.25	.33	.45	.55	.65	.75	1.00

**STILLSON PIPE WRENCHES.**

Code.....	Metabate	Metacenton	Metacisto	Metaforic	Metafrase	Metagogo
Length, inches.....	<b>6</b>	<b>8</b>	<b>10</b>	<b>14</b>	<b>18</b>	<b>24</b>
Takes from.....	$\frac{1}{8}$ -in. wire to $\frac{1}{2}$ -in. pipe	$\frac{1}{8}$ -in. wire to $\frac{3}{4}$ -in. pipe	$\frac{1}{8}$ -in. wire to 1-in. pipe	$\frac{1}{4}$ -in. wire to 1 $\frac{1}{2}$ -in. pipe	$\frac{1}{4}$ -in. wire to 2-in. pipe	$\frac{1}{4}$ -in. wire to 2 $\frac{1}{2}$ -in. pipe
Each.....	\$2.00	2.00	2.25	3.00	4.00	6.00
Weight each, lbs.....	$\frac{1}{2}$	1	1 $\frac{1}{2}$	3 $\frac{1}{8}$	5 $\frac{1}{2}$	8

6 to 14-inch Wrenches have Wood Handles; 18 and 24-inch Wrenches have all Iron Handles.

**Jaws for Stillson Wrenches.**

Code.....	Metagram	Metalino	Metallade	Metallisco	Metallurgic	Metaponder
Each.....	\$0.67	.67	.75	1.00	1.33	2.00

**Nuts for Stillson Wrenches.**

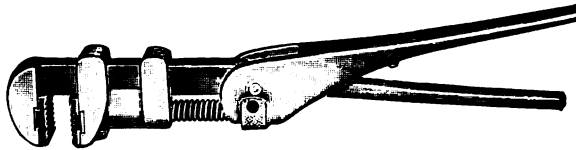
Code.....	Metasomis	Metathora	Metellust	Meteoric	Metesilla	Metharmis
Each.....	\$0.20	.20	.27	.35	.42	.50

**Frames for Stillson Wrenches.**

Code.....	Metheglos	Methocamp	Methodist	Methodoro	Methulent	Methylate
Each.....	\$0.25	.25	.33	.45	.55	.65

# WRIGHT'S PIPE WRENCHES.

POLISHED STEEL. DISENGAGES ITSELF BY REMOVING PRESSURE FROM LEVER HANDLE.



Code.....	Metochist	Metodico	Metoparis
Length, inches.....	<b>13</b>	<b>16</b>	<b>24</b>
Opens, inches.....	1 3/4	2 1/8	3 1/2
Each.....	\$3.00	4.00	7.50
Weight each, lbs.....	2 1/2	4	9
Loose.			

# ATLAS PIPE WRENCHES.

MADE OF SPECIAL WRENCH STEEL. NO THREADS TO STRIP. NO NUTS TO JAM. NO SCREW JAWS TO BREAK.



Code.....	Metrical	Metrodar	Metrodoric	Metropolit
Length, inches.....	<b>10</b>	<b>18</b>	<b>24</b>	<b>36</b>
Takes from .....	1/8-in. wire to 1-in. pipe	1/4-in. pipe to 2-in. pipe	1/2-in. pipe to 3-in. pipe	1-in. pipe to 4 1/2-in. pipe
Each.....	\$2.25	4.00	6.00	12.00
Weight each, lbs.....	2	4	10	23
Loose.				

# SHEFFY PIPE WRENCHES.

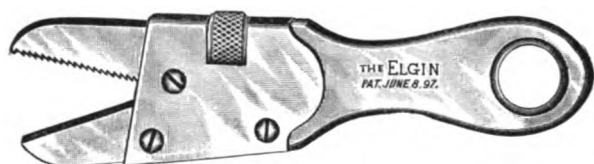
JESSOP STEEL DOGS. BLACK DIAMOND STEEL JAWS. BESSEMER STEEL HANDLES. EVERY WRENCH GUARANTEED. QUICK ACTION. SELF-ADJUSTING. NO SCREWS. NO SPRINGS. DISENGAGES ITSELF BY REVERSING PRESSURE ON HANDLE.



Code.....	Mettilord	Meublast	Meublon
Numbers.....	<b>0</b>	<b>2</b>	<b>4</b>
Length, inches.....	7	12	18
Takes pipe, inches.....	1/8 to 1/2	1/8 to 1	1/4 to 2
Each.....	\$2.00	2.25	4.00
Weight each, lbs.....	1/2	2	5

**ELGIN ADJUSTABLE WRENCHES.**

FOR PIPE OR NUTS. STEEL. FULLY NICKEL-PLATED. BOTH JAWS HARDENED. WILL TAKE FROM  $\frac{1}{8}$ -INCH WIRE TO  $\frac{3}{4}$ -INCH PIPE, OR A NUT THAT IS  $1\frac{1}{8}$  INCHES ACROSS.



Jaw.

Code.....	Meulards
Length, inches.....	7
Per dozen.....	\$12.00
Weight per doz., lbs.....	7½

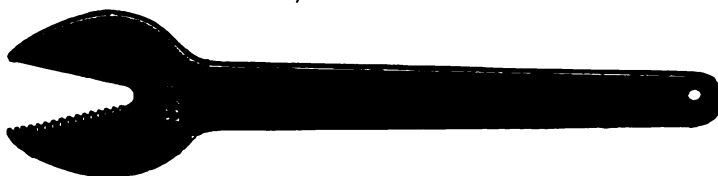
One-half dozen in a box.

**Extra Jaws for Elgin Wrenches.**

Code.....	Mexenofa
Per dozen.....	\$3.00

**ALLIGATOR WRENCHES.**

FORGED STEEL, WITH HARDENED JAWS.



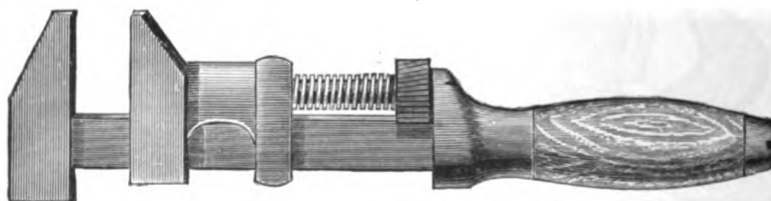
Code.....	Mezquita	Mezzadrom	Mezzobust	Mezzotinte	Miaduram	Miagoland
Numbers.....	Pocket	Twin	1	2	3	4
Length, inches.....	.....	10	5¾	10	16	22
Hold pipe, inches.....	$\frac{1}{8}$ to $\frac{1}{4}$	$\frac{1}{8}$ to $\frac{3}{8}$	$\frac{1}{8}$ to $\frac{3}{8}$	$\frac{3}{8}$ to $\frac{1}{2}$	$\frac{1}{2}$ to $1\frac{1}{4}$	$1\frac{1}{4}$ to 2
Hold round iron, inches.....	$\frac{1}{2}$	$\frac{1}{4}$ to 1	$\frac{1}{4}$ to $\frac{1}{2}$	$\frac{1}{2}$ to 1	$\frac{1}{4}$ to $1\frac{1}{8}$	$1\frac{1}{2}$ to $2\frac{1}{2}$
Per dozen.....	\$.....	18.00	4.00	12.00	24.00	36.00
Weight per doz., lbs.....	.....	.....	3	12	36	86

Pocket has steel screw driver at one end. Twin has wrench at both ends.

Pocket and No. 1, bright; balance, black. Pocket and No. 1, one dozen in a box.

**BLACK SCREW WRENCHES.**

WROUGHT IRON BAR, HEAD AND SCREW.



Code.....	Miasgnatic	Micantibo	Michaela	Michordi	Micrasten
Length, inches.....	8	10	12	15	18
Per dozen.....	\$10.00	12.00	14.00	24.00	30.00
Weight per doz., lbs.....	15	20	26	40	60

8 to 12-inch, one-half dozen; 15 and 18-inch, one-third dozen in a box.



**WARNOCK WRENCHES.**

DROP FORGED AND SELECTED STOCK WITH LINEN STRAP. POLISHED PIPE, SHAFTS, TUBING

ALL GRIPPED SECURELY WITHOUT A MARK. ADJUST THEMSELVES

TO EVERY SIZE INSTANTLY.



Code .....	Microturn
Length, inches.....	12
Takes pipe, inches.....	1/4 to 2
Each .....	\$1.50
Weight each, lbs.....	.....

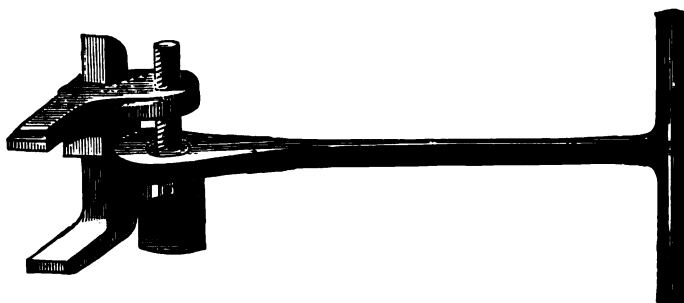
**Extra Straps.**

Code .....	Microvim
Each.....	\$0.25.

**BUZZELL'S BASIN WRENCHES.**

Code .....	Microbes
Per dozen .....	\$22.00
Weight per doz., lbs.....	18

Loose.

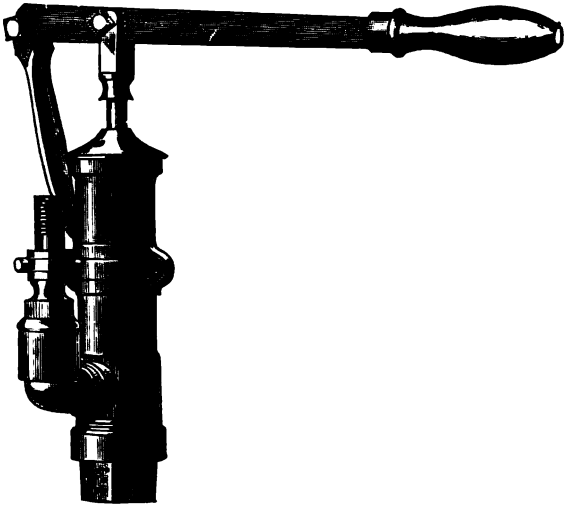
**COMMON BASIN WRENCHES.**

Code.....	Microfard
Per dozen.....	\$7.50
Weight per doz., lbs.....	16

Loose.

**PLUMBERS' FORCE PUMPS.**

FITTED FOR HOSE.

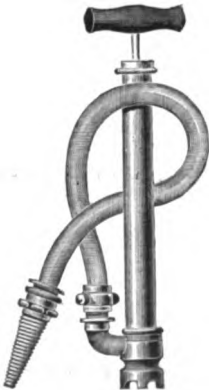


**Fig. 217.**

This is a very powerful Force or Pressure Pump. The cylinder and working parts are of cast brass. The Pump is usually placed in a pail of water when used and connected with the pipe to be cleaned by hose.

Code.....	Micrometer
Figure .....	<b>217</b>
Diameter, inches.....	<b>2</b>
Length of stroke, inches.....	<b>5</b>
Capacity per stroke, gallon .....	<b><math>\frac{1}{4}</math></b>
Each.....	<b>\$10.00</b>
Weight each, lbs.....	<b>12</b>

**PLUMBERS' HANDY FORCE PUMPS.**



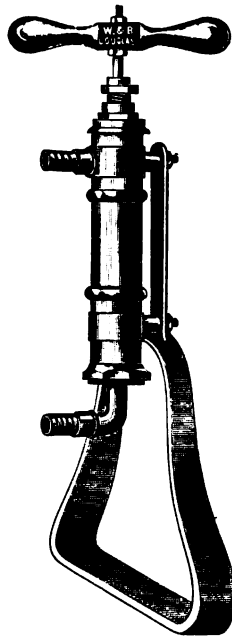
**Fig. 878.**

The cut shows a very compact form of Plumbers' Force Pump, which meets the requirements of the practical plumbing trade. This Pump is made entirely of brass and is designed to be placed in a pail. By its use a great pressure may be put upon pipes for cleaning out obstructions. It is fitted with three feet of hose and conical tip, so that it can be readily connected with any ordinary sized pipe or fixture. The form of the Pump renders it more convenient for carrying in a sack of plumbers' tools than any Pump having a projecting handle.

Code.....	Micrometer
Figure.....	<b>878</b>
Each .....	<b>\$7.00</b>
Weight each, lbs.....	<b>6</b>

**PLUMBERS' FORCE PUMPS.**

FITTED FOR HOSE.

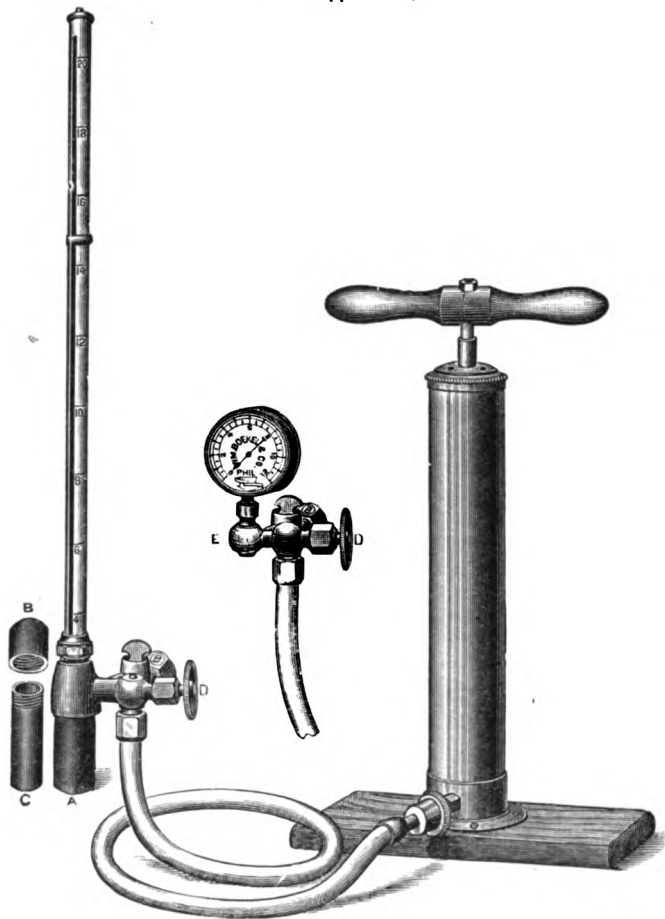
**Fig. 425.**

The above cut shows a powerful Plumbers' Force Pump, the cylinder and working parts being entirely of brass.

It is provided with a strong iron stirrup, and has couplings for  $\frac{1}{4}$ -inch hose.

Code.....	Midasian
Figure.....	<b>425</b>
Diameter of cylinder, inches.....	2
Length of stroke, inches.....	5
Capacity per stroke, gallon.....	.07
Each .....	<b>\$15.00</b>
Weight each, lbs.....	17

IMPROVED TESTING PUMPS.  
(Patent applied for.)



The above cut illustrates our Gas-fitters' Test Pump, combined with our Improved Mercury and Spring Test Gauges.

The Mercury Test Gauge consists of a Mercury Cup, Ether Cup, Stop Cock and Mercury Column.  
A—The Mercury Cup is made of iron, and screws into the lower part of the Gauge; when not in use it can easily be unscrewed and closed with the screw cap, B, to prevent loss of mercury.  
C is a piece of gas pipe to attach in place of the Mercury Cup, when the latter is taken off, to protect the projecting glass tube.

D is a Stop Cock to shut off the air.  
Our Mercury Test Gauges are made in the best and most durable manner and superior to all others, for the following reasons:

First. The Mercury Cup is at the bottom of the Gauge, and is readily unscrewed, closed with the screw cap and put in the bag with other tools. The old method of taking the cup out of the chamber, pouring the mercury into a bottle and carrying it in the pocket, is thus done away with.

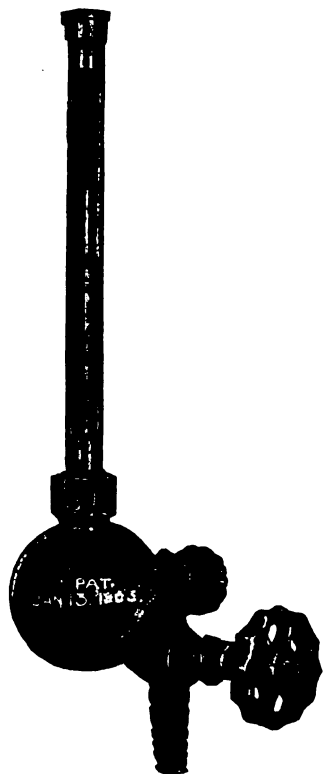
Second. The Mercury Cup being at the bottom, there is no chance for the mercury to spill over the brass parts and destroy them.

Third. For greater convenience we have graduated the column, which we consider a decided improvement. The Pump has most excellent metal valves, and is particularly well adapted for the purpose. The Spring Test Gauge is neatly made, the Gauge itself being 2½ inches in diameter.

Code.....	Middagast Pump with Hose Coupling	Middelbog Spring Test Gauge	Middelmate Mercury Test Gauge
Each.....	\$5.00	3.50	4.50
Weight each, lbs.....	5¼	2¾	2½

Extra Gauge Glasses.

Code.....	Middendo
Length, inches.....	22½
Diameter of gauge glass, inch.....	3⁄8
Each .....	\$.....



## SPENCER & FISHER'S MERCURY TEST GAUGES.

BRASS NICKEL-PLATED. HIGH OR LOW PRESSURE

Simple. Accurate. Reliable. Every Gauge is tested before leaving the factory. Pour 5 ounces of Mercury in the  $\frac{3}{8}$  inch opening and the gauge is ready for operation. Turn the Gauge in any position and the Mercury will not spill.

Code.....	Middinto	Middling
Style .....	Short	Long
Each.....	\$4.00	4.00
Weight each, lbs.....	1 $\frac{3}{8}$	1 $\frac{3}{8}$

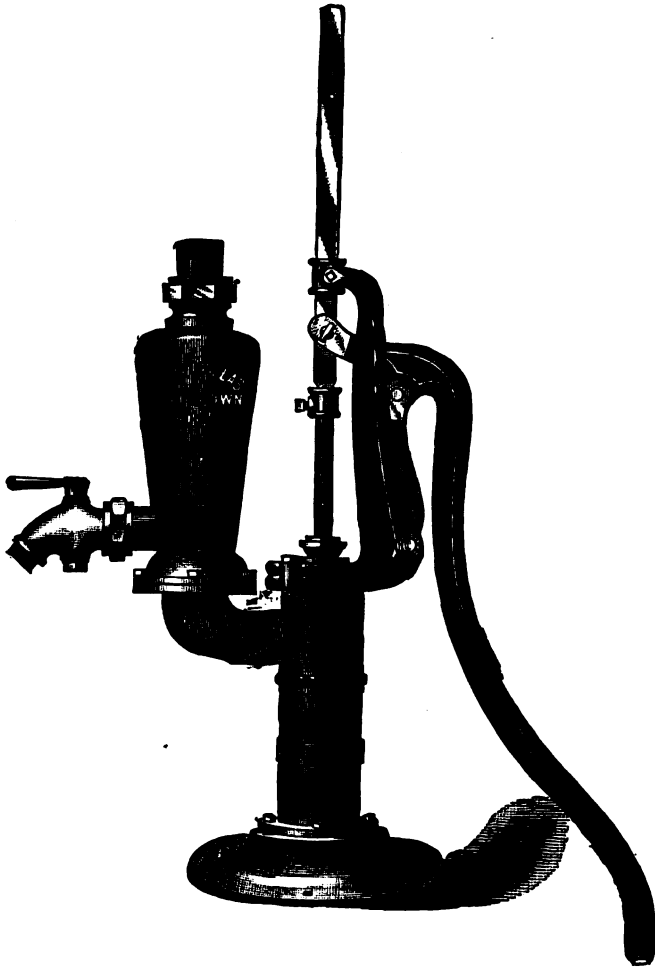
### Extra Gauge Glasses.

Code.....	Midlamp	Midlander
Style.....	Short	Long
Length, inch.....	10 $\frac{1}{2}$	13 $\frac{1}{2}$
Diameter, inch.....	$\frac{5}{16}$	$\frac{5}{16}$
Each.....	\$.....	.....



## SECTION 22.

PUMPS, RAMS, DRIVE WELL POINTS  
AND WINDMILLS.



HOLBROOK, MERRILL & STETSON.

INCORPORATED.

SAN FRANCISCO, SACRAMENTO, LOS ANGELES  
AND NEW YORK.

## PUMPS, WINDMILLS, ETC.

Our Pumps are made by W. & B. Douglas, established since 1832, and their many years experience in the pump business has won them a world-wide reputation. W. & B. Douglas have received "*The highest awards at all the universal expositions since 1867.*"

The IXL Steel Windmill is the most complete windmill on earth.

In ordering goods from this section by telegraph it is only necessary to use the code words over or opposite the numbers of the articles wanted preceded by words from the code in front of this book.

EXAMPLE: Crosistas Abarcamo each Milchpump Militone.

TRANSLATION: Ship by railroad immediately two each number three figure two hundred and sixty-four and number four figure one hundred and twenty Pumps.



## INFORMATION CONCERNING PUMPS.

The various styles of Pumps shown in this catalogue are designated by **Figures** and the various sizes of each figure by **Numbers**.

Please give **Figure** and **Number** when ordering and save writing description.

**Suction Pumps** are those that raise the liquid only to the level of the pump.

**Suction and Force Pumps** are those that raise the liquid to the pump and also force the same to any reasonable altitude above.

### Practical Suggestions.

The law governing raising water by the use of Pumps is extremely simple, but often poorly understood. We therefore condense a few suggestions which we trust will serve to give all needful information, and tend to aid those who seek the easiest and best method of lifting water.

**Power.** The power necessary to raise water depends upon the height to be overcome, and the quantity to be delivered. A gallon of water weighs about eight and one-half pounds; consequently if ten gallons of water are required to be lifted one foot per minute, eighty-five pounds power will be exerted; and the same proportions will remain as the height is increased. The following simple formula will be found useful in determining the necessary power to work one Pump.

Having found the number of gallons desired per minute, multiply this number by 8.35 (weight of one gallon of water); then multiply the product by the height in feet to which the water is raised, and it gives the number of foot pounds. Divide the product by 33,000 (one-horse power), and the result is the horse power, or its fractional part, required to do the work. When the table of theoretical horse powers on page 912 can be used we think it will be found accurate. To this a liberal allowance must be added for friction—say 15 per cent. To ascertain the exact loss of power by friction consult the table of frictions on page 911. A one-horse power steam engine will elevate 50 per cent more water than a single horse working on a horse power.

**Capacity.** All the Pumps in this catalogue have the diameter of cylinder and length of stroke given, and from the table on page 910, the exact quantity of water they will discharge can be easily computed. If it is desired to ascertain the cubic inches in any of our pump cylinders, same can readily be found by reference to Table of Areas on page 911, multiplying the result by length of cylinder to give capacity in cubic inches.

**Demonstration.** With one of our Pumps with 4-inch diameter of cylinder and 8-inch stroke, lifting water 20 feet perpendicularly through a 2-inch suction pipe, and forcing into a tank 50 feet above pump, running at a speed of 40 strokes per minute, how much water will be discharged? Refer to Table of Areas on page 911, and you will find opposite 4 inches, 12.566; multiply this by 8, the length of stroke, and have 100.528 cubic inches; multiply this result by 40, the number of strokes per minute, and you have the quantity of water raised with 40 strokes per minute=4021.120 cubic inches; divide this by 231, the number of cubic inches in a gallon, and you have 17.48 gallons per minute. For a double-acting pump the result would nearly double the above calculation.

**Setting and Operating.** Place the Pump level. If water is to be raised over ten feet, check valve should be used on bottom of suction pipe, if same is protected from frost. If pump is working against great head or when handling hot water it should be located below the water head. When working against steam or other high pressure, use check valve on discharge pipe. Always use drip valve in pipe. Oil Pump well and take up wear as soon as noticed.

**Suction Pipe.** It is essential that the inlet or suction pipe should be air-tight to secure its successful operation. The theory is that water can be raised by suction about 33 feet perpendicular height, but practically 20 to 25 feet is about all it is safe to recommend. The diameter of the suction pipe should not be less than about half the diameter of pump cylinder. When the suction pipe is near the extreme limit of say 25 feet vertical height it should be even larger than this. Suction pipes may be extended almost any distance horizontally; where this occurs a check-valve is desirable if the pipe is protected from the frost. Elbows or short turns should be avoided as much as possible in either suction or discharge pipes.

## TABLE SHOWING THE NUMBER OF GALLONS DISCHARGED PER MINUTE.

BY A SINGLE-ACTING PUMP OF A GIVEN DIAMETER AND STROKE AT 10 STROKES PER MINUTE.

Diameter of Pump Barrel, Inches.	LENGTH OF STROKE, INCHES.										
	1	2	3	4	5	6	7	8	9	10	12
1	.028	.056	.....	.112	.140	.168	.196	.224	.252	.28	.336
1¼	.044	.088	.132	.176	.220	.264	.308	.352	.396	.44	.528
1½	.063	.126	.189	.252	.315	.378	.441	.504	.567	.63	.756
1¾	.086	.172	.258	.344	.430	.516	.602	.688	.774	.86	1.032
2	.113	.226	.339	.452	.565	.678	.791	.904	1.017	1.13	1.356
2½	.176	.352	.528	.704	.880	1.056	1.232	1.408	1.574	1.76	2.112
3	.254	.508	.762	1.016	1.270	1.524	1.778	2.032	2.286	2.54	3.048
3½	.346	.692	1.038	1.384	1.730	2.076	2.420	2.760	3.110	3.46	4.150
4	.452	.910	1.350	1.820	2.260	2.710	3.160	3.610	4.060	4.52	5.420
4½	.572	1.140	1.710	2.280	2.860	3.430	4.000	4.570	5.140	5.72	6.860
5	.700	1.400	2.100	2.800	3.500	4.200	4.900	5.600	6.300	7.00	8.400
5½	.800	1.700	2.550	3.400	4.250	5.100	5.950	6.800	7.650	8.50	10.200
6	1.010	2.020	3.030	4.040	5.050	6.060	7.070	8.080	9.090	10.10	12.120
7	1.380	2.770	4.150	5.540	6.920	8.310	9.690	11.080	12.060	13.85	16.620
8	1.800	3.610	5.420	7.230	9.040	10.850	12.660	14.470	16.280	18.09	21.700
9	2.280	4.570	6.860	9.150	11.440	13.730	16.020	18.310	20.600	22.89	27.460
10	2.827	5.450	8.430	11.300	14.130	16.960	19.780	22.610	25.440	28.27	33.920
12	4.068	8.130	12.200	16.270	20.340	24.400	28.470	32.540	36.610	40.68	48.800
15	6.361	12.720	19.080	25.440	31.800	38.160	44.520	50.880	57.240	63.61	76.320
18	9.158	18.310	27.470	36.630	45.790	54.940	64.100	73.260	82.420	91.58	109.880
20	11.307	22.610	33.920	45.230	56.530	67.840	79.150	90.450	101.760	113.07	135.680
24	16.282	32.560	48.840	65.120	81.410	97.690	113.970	130.250	146.530	162.82	195.400

The quantities named in the Table are in gallons, and are calculated for Single-Acting Pumps, at ten strokes per minute (the quantity for any other number of strokes may be found by multiplying or dividing the number found in the Table): on the common but mistaken theory that the water only rises in the Pump when the piston ascends; whereas, the truth is, the column of water does not stop flowing when the piston returns down (in any common Lift Pump which discharges at its spout), but flows on continuously, through the piston valve, by the momentum of the column when under the headway of ordinary working; so that, practically, the Single-Acting Lift Pump (when working any common or ordinary height) will pump a much greater quantity of water in the same given time than the chart indicates. The results given in the above Table will, of course, be double when applied to Double-Acting Pumps.

**TABLE OF AREAS.**

Diameter, Inches.	Area.	Diameter, Inches.	Area.	Diameter, Inches.	Area.	Diameter, Inches.	Area.
2	3.1416	5	19.635	8	50.265	11	95.033
2¼	3.9760	5¼	21.647	8¼	53.456	11¼	99.400
2½	4.9087	5½	23.758	8½	56.745	11½	103.869
2¾	5.9395	5¾	25.967	8¾	60.132	11¾	108.434
3	7.0686	6	28.274	9	63.617	12	113.098
3¼	8.2957	6¼	30.679	9¼	67.200	12¼	117.859
3½	9.6211	6½	33.183	9½	70.882	12½	122.718
3¾	11.0440	6¾	35.784	9¾	74.662	12¾	127.676
4	12.5660	7	38.484	10	78.540	13	132.733
4¼	14.1860	7¼	41.282	10¼	82.516	13¼	137.886
4½	15.9040	7½	44.178	10½	86.590	13½	143.139
4¾	17.7200	7¾	47.173	10¾	90.762	13¾	148.489

**TABLE SHOWING FRICTION OF WATER IN PIPES.**

FRICTION LOSS IN POUNDS PRESSURE PER SQUARE INCH FOR EACH 100 FEET OF LENGTH IN  
DIFFERENT SIZES CLEAN IRON PIPE, DISCHARGING GIVEN QUANTITIES OF  
WATER PER MINUTE.

Gallons per Minute.	SIZES OF PIPES, INSIDE DIAMETER, INCHES.											
	¾	1	1¼	1½	2	2½	3	4	6	8	10	12
5	3.3	.84	.31	.12								
10	13.0	3.16	1.05	.47	.12							
15	28.7	6.98	2.38	.97	.....							
20	50.4	12.30	4.07	1.66	.42							
25	78.0	19.00	6.40	2.62	.....	.21	10					
30	.....	27.50	9.15	3.75	.91	.....	.....					
35	.....	37.00	12.40	5.05	.....	.....	.....					
40	.....	48.00	16.10	6.52	1.60	.....	.....					
45	.....	.....	20.20	8.15	.....	.....	.....					
50	.....	.....	24.90	10.00	2.44	.81	.35	.09				
75	.....	.....	56.10	22.40	5.32	1.80	.74	.....				
100	.....	.....	.....	39.00	9.46	3.20	1.31	.33	.05			
125	.....	.....	.....	.....	14.90	4.89	1.99	.....	.....			
150	.....	.....	.....	.....	21.20	7.00	2.85	.69	.10			
175	.....	.....	.....	.....	28.10	9.46	3.85	.....	.....			
200	.....	.....	.....	.....	37.50	12.47	5.02	1.22	.17			
250	.....	.....	.....	.....	.....	19.66	7.76	1.89	.26	.07	.03	.01
300	.....	.....	.....	.....	.....	28.06	11.20	2.66	.37	.09	.04	.....
350	.....	.....	.....	.....	.....	.....	15.02	3.65	.50	.12	.05	.02
400	.....	.....	.....	.....	.....	.....	19.50	4.73	.65	.16	.06	.....

**TABLE OF THEORETICAL HORSE POWER REQUIRED TO RAISE WATER TO  
DIFFERENT HEIGHTS.**

Gallons per Minute.	FEET.																					
	5	10	15	20	25	30	35	40	45	50	60	75	90	100	125	150	175	200	250	300	350	400
5	.006	.012	.019	.025	.031	.037	.044	.05	.06	.06	.07	.09	.11	.12	.16	.19	.22	.25	.31	.37	.44	.50
10	.012	.025	.037	.050	.062	.075	.087	.10	.11	.12	.15	.19	.22	.25	.31	.37	.44	.50	.62	.75	.87	1.00
15	.019	.037	.056	.075	.094	.112	.131	.15	.17	.19	.22	.28	.34	.37	.47	.56	.66	.75	.94	1.12	1.31	1.50
20	.025	.050	.075	.100	.125	.150	.175	.20	.22	.25	.30	.37	.45	.50	.62	.75	.87	1.00	1.25	1.50	1.75	2.00
25	.031	.062	.093	.125	.156	.187	.219	.25	.28	.31	.37	.45	.56	.62	.78	.94	1.09	1.25	1.56	1.87	2.19	2.50
30	.037	.075	.112	.150	.187	.225	.262	.30	.34	.37	.45	.56	.67	.75	.94	1.12	1.31	1.50	1.87	2.25	2.62	3.00
35	.043	.087	.131	.175	.219	.262	.306	.35	.39	.44	.52	.66	.79	.87	1.08	1.31	1.53	1.75	2.19	2.62	3.06	3.50
40	.050	.100	.150	.200	.250	.300	.350	.40	.45	.50	.60	.75	.90	1.00	1.25	1.50	1.75	2.00	2.50	3.00	3.50	4.00
45	.056	.112	.168	.225	.281	.337	.394	.45	.51	.56	.67	.84	1.01	1.12	1.41	1.69	1.97	2.25	2.81	3.37	3.94	4.50
50	.062	.125	.187	.250	.312	.375	.437	.50	.56	.62	.75	.94	1.12	1.25	1.56	1.87	2.19	2.50	3.12	3.75	4.37	5.00
60	.075	.150	.225	.300	.375	.450	.525	.60	.67	.75	.90	1.12	1.35	1.50	1.87	2.25	2.62	3.00	3.75	4.50	5.25	6.00
75	.093	.187	.281	.375	.469	.562	.656	.75	.84	.94	1.12	1.40	1.69	1.87	2.34	2.81	3.28	3.75	4.69	5.62	6.56	7.50
90	.112	.225	.337	.450	.562	.675	.787	.90	1.01	1.12	1.35	1.68	2.02	2.25	2.81	3.37	3.94	4.50	5.62	6.75	7.87	9.00
100	.125	.250	.375	.500	.625	.750	.875	1.00	1.12	1.25	1.50	1.87	2.25	2.50	3.12	3.75	4.37	5.00	6.25	7.50	8.75	10.00
125	.156	.312	.469	.625	.781	.937	1.094	1.25	1.41	1.56	1.87	2.34	2.81	3.12	3.91	4.69	5.47	6.25	7.81	9.37	10.94	12.50
150	.187	.375	.562	.750	.938	1.125	1.312	1.50	1.69	1.87	2.25	2.81	3.37	3.75	4.69	5.62	6.56	7.50	9.37	11.25	13.12	15.00
175	.219	.437	.656	.875	1.093	1.312	1.531	1.75	1.97	2.19	2.62	3.28	3.94	4.37	5.47	6.56	7.66	8.75	10.94	13.12	15.31	17.50
200	.250	.500	.750	1.000	1.250	1.500	1.750	2.00	2.25	2.50	3.00	3.75	4.50	5.00	6.25	7.50	8.75	10.00	12.50	15.00	17.50	20.00
250	.312	.625	.937	1.250	1.562	1.875	2.187	2.50	2.81	3.12	3.75	4.69	5.62	6.25	7.81	9.37	10.94	12.50	15.72	18.75	21.87	25.00
300	.375	.750	1.125	1.500	1.875	2.250	2.625	3.00	3.37	3.75	4.50	5.62	6.75	7.50	9.37	11.25	13.12	15.00	18.75	22.50	26.25	30.00
350	.437	.875	1.312	1.750	2.187	2.625	3.062	3.50	3.94	4.37	5.25	6.56	7.87	8.75	10.94	13.12	15.31	17.50	21.87	26.25	30.62	35.00
400	.500	1.000	1.500	2.000	2.500	3.000	3.500	4.00	4.50	5.00	6.00	7.50	9.00	10.00	12.50	15.00	17.50	20.00	25.00	30.00	35.00	40.00
500	.625	1.250	1.875	2.500	3.125	3.750	4.375	5.00	5.62	6.25	7.50	9.37	11.25	12.50	15.62	18.75	21.87	25.00	31.25	37.50	43.75	50.00

## BAROMETRIC PRESSURES AT DIFFERENT ALTITUDES.

WITH EQUIVALENT HEAD OF WATER AND THE VERTICAL SUCTION LIFT OF PUMPS.

Altitude.	Barometric Pressure per Square Inch.	Equivalent Head of Water.	Practical Suction Lift of Pump.
Sea level.....	14.70 lbs.	33.95 feet	25 feet
$\frac{1}{4}$ mile (1320 feet) above sea level.....	14.02 lbs.	32.38 feet	24 feet
$\frac{1}{2}$ mile (2640 feet) above sea level.....	13.33 lbs.	30.79 feet	23 feet
$\frac{3}{4}$ mile (3960 feet) above sea level.....	12.66 lbs.	29.24 feet	21 feet
1 mile (5280 feet) above sea level.....	12.02 lbs.	27.76 feet	20 feet
$1\frac{1}{4}$ miles (6600 feet) above sea level.....	11.42 lbs.	26.38 feet	19 feet
$1\frac{1}{2}$ miles (7920 feet) above sea level.....	10.88 lbs.	25.13 feet	18 feet
2 miles (10,560 feet) above sea level.....	9.88 lbs.	22.82 feet	17 feet

## WEIGHT AND CAPACITY OF DIFFERENT STANDARD GALLONS OF WATER.

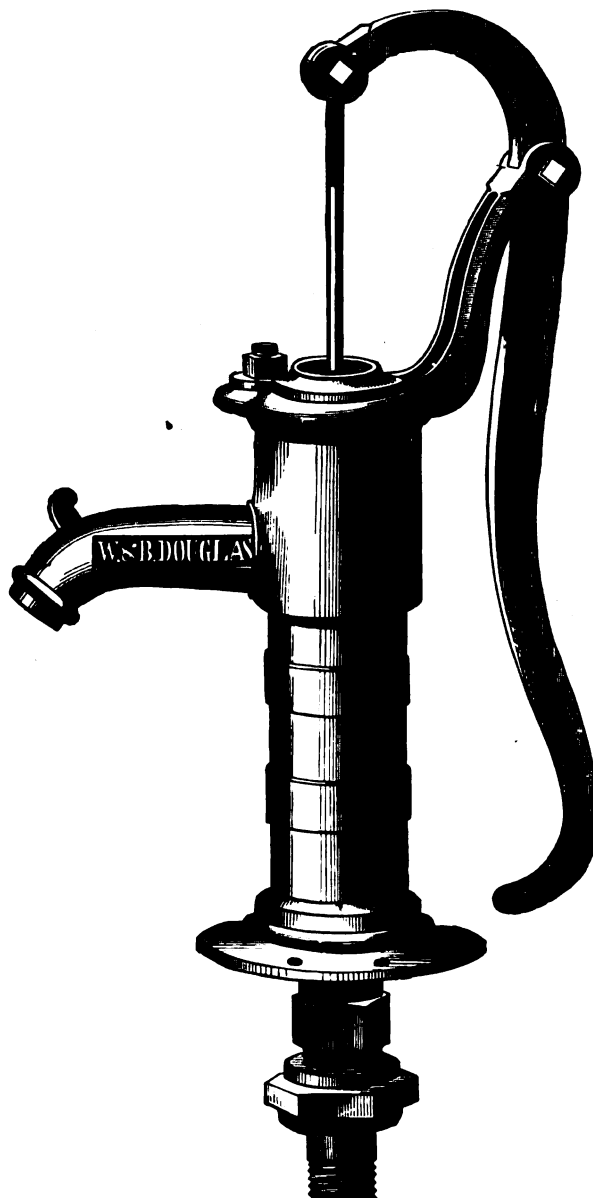
	Cubic Inches in a Gallon.	Weight of a Gallon in Pounds.	Gallons in a Cubic Foot.
Imperial or English.....	277.274	10.000	6.232
United States.....	231.000	8.331	7.480

Weight of a cubic foot of water, English standard, 62.321 lbs. avoirdupois.

A "miner's inch" of water is approximately equal to a supply of 12 U. S. gallons per minute.

**REVOLVING STAND SUCTION PUMPS.**

WITH COUPLINGS BELOW THE BASE. FOR LIFTING WATER 25 FEET OR LESS.

**Fig. 1.**

Coupling has brass-threaded tube, fitting it for either lead or iron pipe. By means of the revolving stand the brake may be changed round to any point to suit convenience.

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Midlent.....	<b>0</b>	2	3¾	1	.042	15	\$3.50
Midollar.....	<b>1</b>	2¼	5	1	.072	18	4.00
Midotist.....	<b>2</b>	2½	5	1¼	.088	22	4.50
Miercole.....	<b>3</b>	2¾	6¾	1¼	.145	25	5.00
Migrain.....	<b>4</b>	3	6¾	1½	.171	33	5.50
Migrassen.....	<b>5</b>	3¼	7¼	1½	.217	45	6.50
Migrated.....	<b>6</b>	3½	7¼	2	.250	53	8.00

**BOLT-FASTENED REVOLVING STAND SUCTION PUMPS.**

WITH PATENT ADJUSTABLE EARS AND BRASS VALVE SEATS. FOR LIFTING WATER 25 FEET OR LESS.



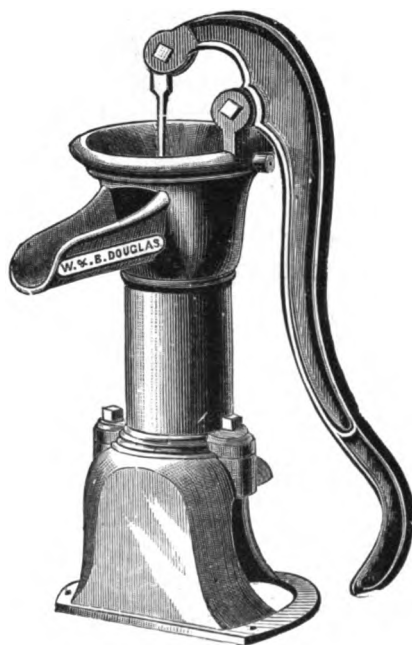
**Fig. 264.**

The coupling is below the base and has brass-threaded tube, fitting it for either lead or iron pipe. By means of the adjustable ears the spout can be turned in any position.

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Migravist.....	0	2	3¾	1	.042	15	\$3.50
Migulet.....	1	2¼	5	1	.072	18	4.00
Milchman.....	2	2½	5	1¼	.088	23	4.50
Milchpump.....	3	2¾	6¾	1¼	.145	28	5.00
Milchtop.....	4	3	6¾	1½	.171	34	5.50
Milesian.....	5	3¼	7¼	1½	.217	45	6.50
Milicote.....	6	3½	7¼	2	.250	55	8.00

**BOLT-FASTENED PITCHER SPOUT SUCTION PUMPS.**

OPEN TOPS WITH BRASS OR IRON VALVE SEATS. FOR LIFTING WATER 25 FEET OR LESS.

**Fig. 120.**

A very simple and perfect Pump, all the parts being readily got at by the most inexperienced hands. Particularly adapted to shallow wells. Has revolving top. This Pump is most popular for use on the driven well. For any height under 25 feet they will raise a greater quantity of water in a given length of time, with the same power applied, than any other style of pump in use.

Code.	Nos.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gallon.	Weight, Lbs.	Each.
Milipede.....	<b>1</b>	2½	4½	1	.079	20	\$ 4.25
Militant.....	<b>2</b>	3	4¼	1¼	.108	23	4.75
Military.....	<b>3</b>	3½	4	1½	.138	27	5.25
Militone.....	<b>4</b>	4	4½	1½	.204	31	6.25
Milleform.....	<b>6</b>	5	4¾	2½	.332	52	11.00

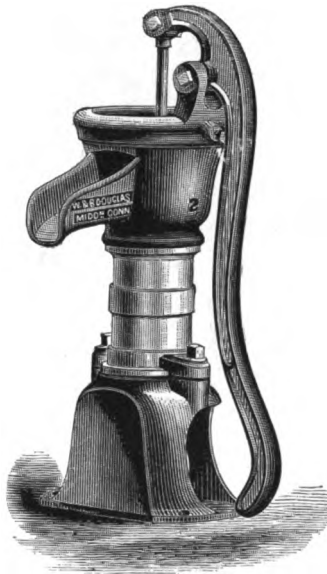
Pumps with brass valve seats always sent unless otherwise specified.

Adapted for either Iron or Lead Pipe.



**BOLT-FASTENED PITCHER SPOUT SUCTION PUMPS.**

WITH CONCAVE COVERED TOPS AND BRASS VALVE SEATS. FOR LIFTING WATER 25 FEET OR LESS.

**Fig. 272.**

This Pump is the same in every way (except that the top is covered) as Fig. 120, shown on preceding page.

The cover is concave, so water can be easily poured in when the leathers are too dry to start the column of water.

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gallon.	Weight, Lbs.	Each.
Milliard.....	2	3	4¼	1¼	.108	24	\$4.75
Millimode.....	3	3½	4	1¼	.138	28	5.25
Milordin.....	4	4½	4½	1½	.204	31	6.25

Adapted for either Iron or Lead Pipe.

COPPER PUMPS.

SEAMLESS TUBE.

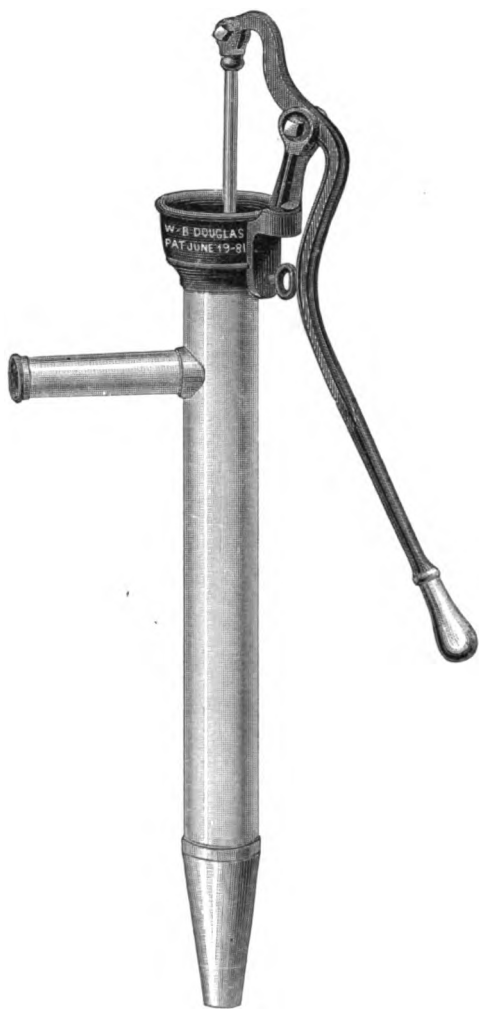
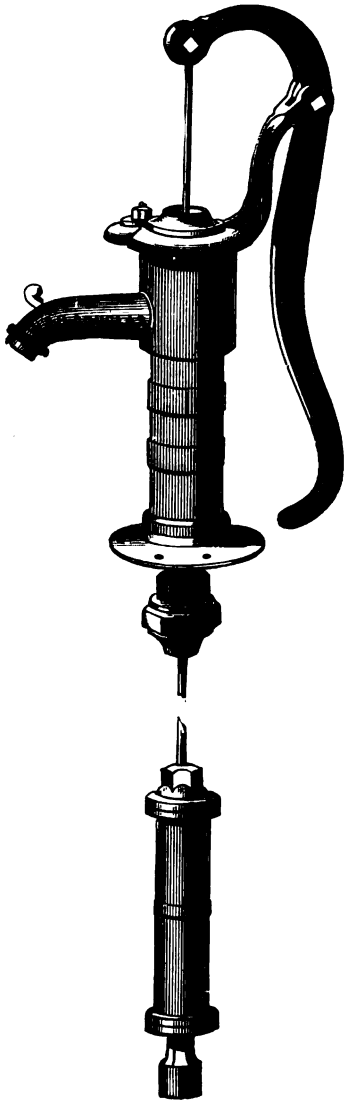


Fig. 818.

The above cut shows a patent Seamless Tube Copper Pump, with seamless spout attached to cylinder by a copper-covered joint. Working parts and inside of cylinder are covered with tin to prevent corrosion, and the handle is nickel-plated. The handle may be turned in any position, the stand being held in place by a thumb screw. This Pump has no superior in its class.

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Capacity per Stroke, Gals.	Weight, Lbs.	Each.
Milt damp.....	1	2½	.....	.....	16	\$6.12
Mimetic.....	3	3	.....	.....	20	6.88

**IMPROVED ARTESIAN WELL PUMPS.****Fig. 158.**

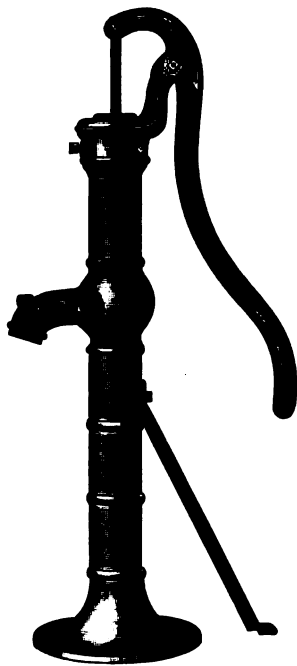
The Lower Cylinder in this Pump is sufficiently small to go down into a drilled well 3 inches in diameter, so it is adapted for bored wells of any depth by screwing in the required length of 1¼-inch iron pipe between the lower or working cylinder and the standard, and extending the connecting rod, which works down through the suction pipe, to the proper length. The Lower Cylinder being threaded at each end, the pipe can be extended below the cylinder as well as above. Inside diameter of Cylinder, 2 inches; length, 10 inches; tapped both ends for 1¼-inch pipe.

Code.	Number.	Stroke, Inches.	Suction Pipe, Inches.	Weight Complete, Lbs.	Complete as Shown, Each.
Mimick.....	2	6½	1¼	30	\$8.00

For other sizes of Lower Working Cylinders see pages 927, 928, 929.

**“SWAN” OPEN TOP SUCTION WELL PUMP STANDARDS.**

ANTI-FREEZING. REVOLVING STAND.



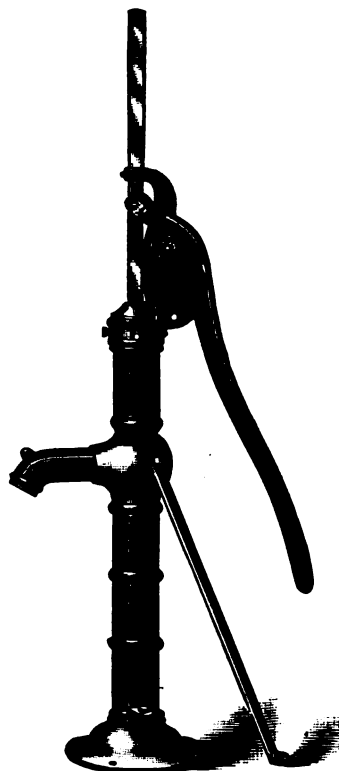
**Fig. 211.**

This Standard, used in connection with Deep Well Cylinders shown on pages 927, 928, 929, makes most popular cheap outdoor Suction Pump. Has revolving stand and brace.

Code.	Number.	Height, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Weight, Lbs.	Each.
Mimologic- .....	2	32	6	1 ½	53	\$5.50

## “NEW SWAN” WINDMILL SUCTION PUMP STANDARDS.

BOLT FASTENED. REVOLVING STANDS AND BRACES.



**Fig. 219.**

The Bottom Flange is tapped for 1½-inch pipe. Lower end of rod is made to screw on ¾-inch pipe thread for connecting rod to run down to the working cylinder. This Standard can be used in connection with any of our working Cylinders shown on pages 927, 928, 929.

Admirably adapted for running by power when brake is unshackled.

Code.	Number.	Height, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Weight, Lbs.	Each.
Minadore.....	2	38	6½	1½	64	\$7.25

The height given is from the base to top of stand.

## "SWAN" WINDMILL FORCE PUMP STANDARDS.

WITH BRACES AND OSCILLATING GUIDES.

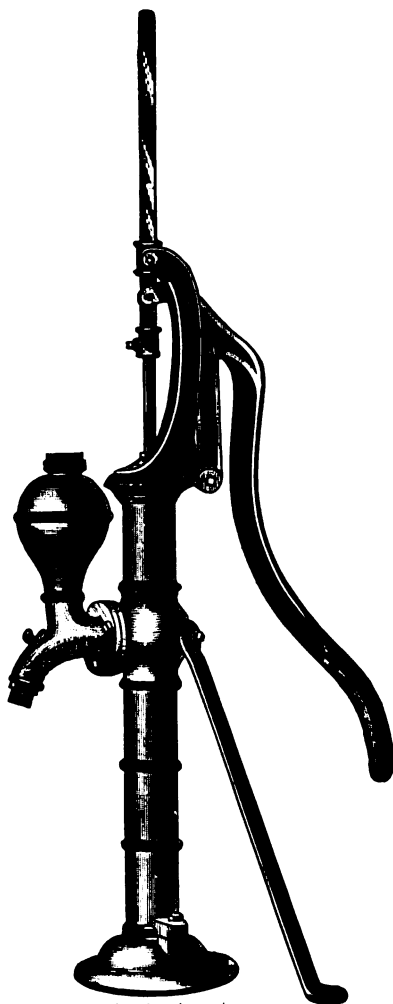


Fig. 246.

This Standard has Air Barrel on the discharge. It is a very substantial fixture for a Windmill Pump, having a Brace and flat rod at top to bolt to shackle bar of windmill or other power.

It has an upper and side discharge opening. Tapped for 1½-inch iron pipe.

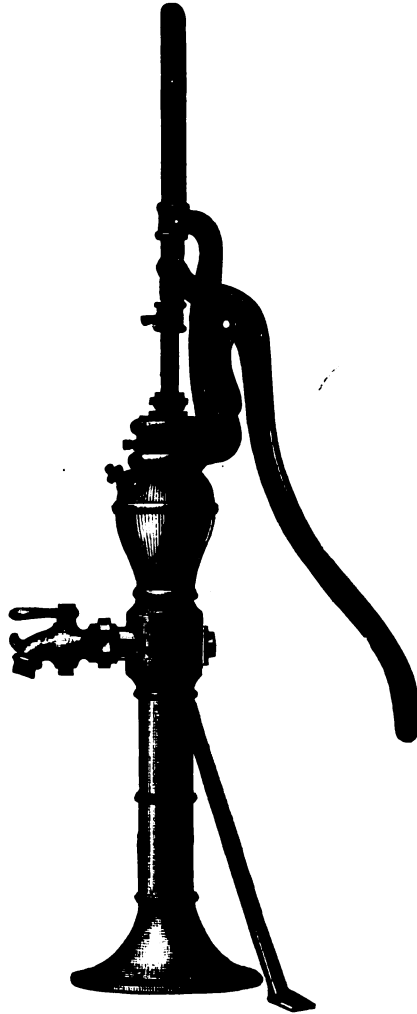
It is adapted to be worked by either hand or power.

For Lower Working Sections see pages 927, 928, 929.

Code.	Style.	Stroke, Inches.	Suction Pipe, Inches.	Weight, Lbs.	Each.
Minchion.....	With Goose Neck.	5	1½	86	\$13.00
Miniator.....	With Cock.	5	1½	87	15.50

**WINDMILL FORCE PUMP STANDARDS.**

WITH OSCILLATING GUIDES, BACK ATTACHMENTS, COCKS IN SPOUTS AND BRACES.

**Fig. 408.**

A very strong Force Pump Standard arranged to attach to the working bar of a Windmill, but it can be disconnected and operated by hand.

The air chamber is combined in the Standard, making it a complete force pump, and by means of the air plug it can be readily converted into a lifting pump. Water may be elevated any reasonable height by extending the pipe from back attachment in rear of the spout. Cock is threaded for 1 inch hose coupling.

For Working Sections see pages 927, 928, 929.

Code.	Number.	Stroke, Inches.	Suction Pipe, Inches.	Weight, Lbs.	Each.
06. 512 Minion	1	5	1½	85	\$14.50

WINDMILL FORCE PUMP STANDARDS.

WITH OSCILLATING GUIDES, BACK ATTACHMENTS, AIR CHAMBERS, COCKS AND BRACES.

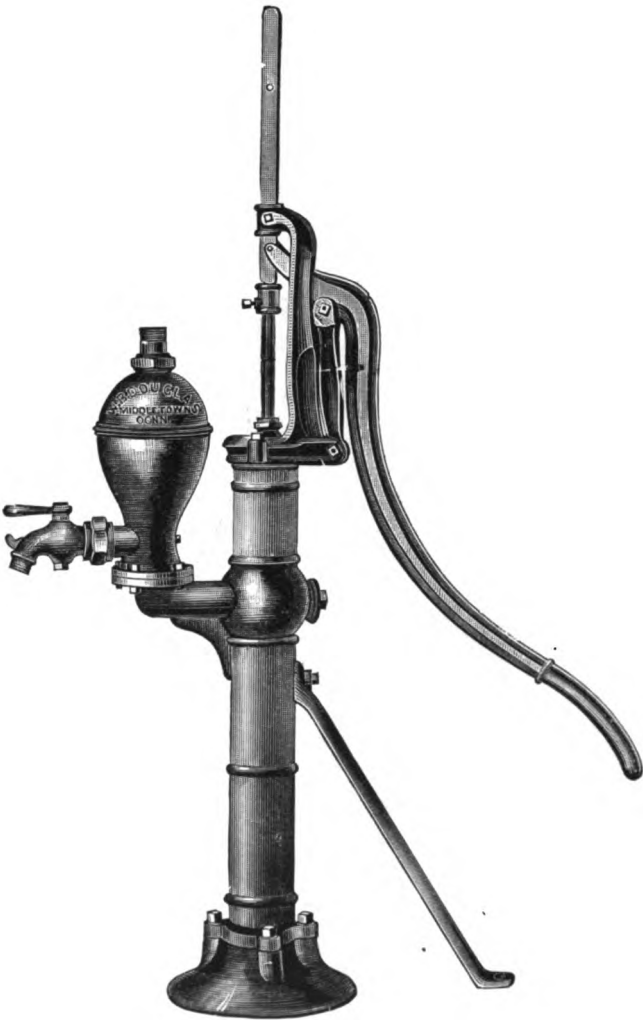


Fig. 407.

Arranged with intermediate Flange just above the base.  
Air Chamber and Cock in spout. Cock threaded for 1-inch hose coupling.  
Back attachment threaded for 1½-inch iron pipe.  
For Working Sections see pages 927, 928, 929.

Code.	Stroke, Inches.	Suction Pipe, Inches.	Weight, Lbs.	Each.
Minitanda.....	6	1½	120	\$15.50
Minorate .....	12	1½	120	18.50



WORKING HEADS.

WITH SOLID BRASS RODS.



Fig. 426.



Fig. 427.—With Side Fastenings.

Rods are 3/4-inch diameter, threaded for rod couplings.

For use in connection with Working Cylinders shown on pages 927, 928, 929.

Fig. 426.

Code.	For Pipe, Inches.	Stroke, Inches.	Weight, Lbs.	Each.
Miraband.....	1½	12	13	\$6.00
Mirabolan.....	2	12	13	6.00

Fig. 427.

Code.	For Pipe, Inches.	Stroke, Inches.	Weight, Lbs.	Each.
Miraculit.....	1½	12	13½	\$5.00
Mirament.....	2	12	14½	5.00

Bar connection at top and rod coupling at bottom, shown in cut, not included in above prices.

**PACKING BOX HEADS.**

FOR IRON PIPES. WITH SOLID BRASS RODS



**Fig. 428.**

Brass Rods are threaded for rod couplings.

For use in connection with Working Cylinders shown on pages 927, 928, 929.

Code.	For Pipe, Inches.	Stroke, Inches.	Rod, Inches.	Weight, Lbs.	Each.
Mirlipote .....	1 ¼	10	.....	2	\$2.50
Mirobrig.....	1 ½	10	¾	2 ¾	2.50
Misadvise.....	2	12	¾	4 ¾	2.50

Rod coupling shown in cut not included in above prices.

## PUMP CYLINDERS OR LOWER WORKING SECTIONS.

ALL IRON.

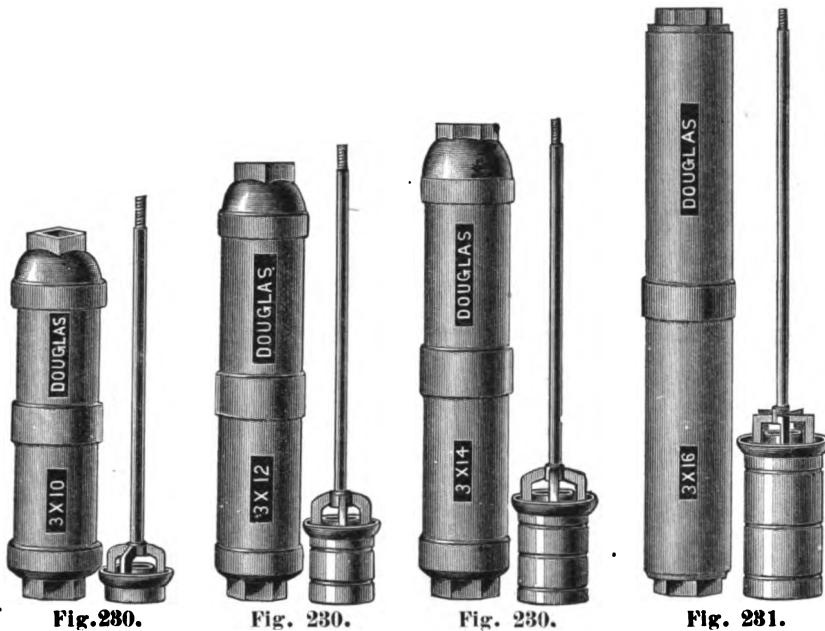


Fig. 280.

Fig. 280.

Fig. 280.

Fig. 281.

The cuts show the Cylinders with piston, which is put into the several lengths and styles. All Cylinders 16 inches long and above, have Brass Yokes or Bales to secure the leather on piston, and grooved water packing.

Fig. 280.

Code.	Bore and Length of Cylinder, Inches.	Size Pipe, Inches.	Weight, Lbs.	Each.
Misafect.....	2 x10	1 1/4	8	\$3.75
Misaffirm.....	2 1/2 x10	1 1/4	8	4.35
Misaim.....	2 3/4 x10	1 1/4	11	4.70
Misbode.....	3 x10	1 1/4	14	5.00
Miscalled.....	3 x10	1 1/2	14	5.00
Miscord.....	3 1/4 x10	1 1/2	14	6.00
Miscovet.....	3 1/2 x10	1 1/2	21	7.00
Miscreant.....	3 x12	1 1/2	15	7.00
Misdeed.....	3 x12	2	15	7.00
Misenate.....	3 1/2 x12	1 1/2	21	9.00
Miserator.....	3 1/2 x12	2	21	9.00
Misfallen.....	4 x12	2	25	11.50
Misform.....	4 x14	2	31	13.00

Fig. 281.

Code.	Bore and Length of Cylinder, Inches.	Size Pipe, Inches.	Weight, Lbs.	Each.
Misgive.....	2 1/2 x10	1 1/4	8	\$4.35
Misguide.....	3 x10	1 1/2	14	5.00
Mishear.....	3 1/4 x10	1 1/2	14	6.00

Fig. 281 Cylinders have cap screwed inside of barrel, making top and bottom flush with outside of cylinder for use in a bored well. They have a long metal Plunger and Follower with Brass Bale.

## PUMP CYLINDERS OR LOWER WORKING SECTIONS.

DRAWN BRASS TUBE WITH IRON CAPS. BRASS CAGE AND VALVE. IRON FOLLOWER PLUNGER.



Fig. 280.

Fig. 280.

Fig. 280.

The cuts show the Cylinders, with piston, which is put into the several lengths. All Cylinders 16 inches long and above, have Brass Yokes or Bales to secure the leather on piston, and grooved water packing.

Code.	Bore and Length of Cylinder, Inches.	Size Pipe, Inches.	Weight, Lbs.	Each.
Misjoined.....	2½ x12	1¼	9	\$8.50
Misjudged.....	2¾ x12	1¼	10	9.00
Misklank.....	3 x12	1¼	12	9.50
Misknown.....	3 x12	1½	12	9.50
Mislaid.....	2½ x14	1¼	11	9.25
Mislike.....	3 x14	1¼	13	10.25
Mismake.....	3 x14	1½	13	10.25
Mismanner.....	3½ x14	1½	16	12.25
Mismark.....	3½ x14	2	16	12.25
Misname.....	4 x14	2	19	15.75
Misoffer.....	3 x16	1¼	14	11.25
Misotheist.....	3 x16	1½	14	11.25
Misplead.....	3 x16	2	14	11.25
Misprise.....	3½ x16	1½	20	13.50
Misrate.....	4 x16	2	21	17.50



Fig. 810.

## PUMP CYLINDERS.

### IRON AND BRASS BODY.

These Cylinders are carefully made in every detail. They are highly polished; have even threads made to gauge, to insure fitting for repairs.

Best oak tanned leather is used for both plunger and check valve.

The plungers in 10-inch cylinders have one leather on follower; in 12-inch and longer, two leathers. The follower ring is made extra long, to leave sufficient space between leathers to insure each leather performing its work. Brass valve seats are screwed into cap and are guaranteed not to leak.

Fig. 810. All Iron.

Code.	Bore and Length of Cylinder, Inches.	Size Pipe, Inches.	Weight, Lbs.	Each.
Misaelde.....	2½ x10	1¼	8	\$ 4.35
Misaelnt.....	3 x12	1¼	15	7.00
Misaenor.....	3 x12	1½	15	7.00
Misaenade.....	3 x12	2	15	7.00
Misaenot.....	3½ x12	2	21	9.00
Misaenug.....	4 x12	2	25	11.50

Fig. 810. Drawn Brass. Iron Caps.

Brass Cage and Valve. Iron Follower Plunger.

Code.	Bore and Length of Cylinder, Inches.	Size Pipe, Inches.	Weight, Lbs.	Each.
Misaepate.....	3x12	1¼	12	\$9.50
Misaepoz.....	3x12	1½	12	9.50

Fig. 810. Drawn Brass. Galvanized Caps.

Brass Cage and Valve. Iron Follower Plunger.

Code.	Bore and Length of Cylinder, Inches.	Size Pipe, Inches.	Weight, Lbs.	Each.
Misaepult.....	3x12	1¼	12	\$9.50



## PUMP CYLINDERS OR LOWER WORKING SECTIONS.

DRAWN BRASS TUBES WITH BRASS CAPS. BRASS CAGES AND VALVES. BRASS FOLLOWER PLUNGERS.

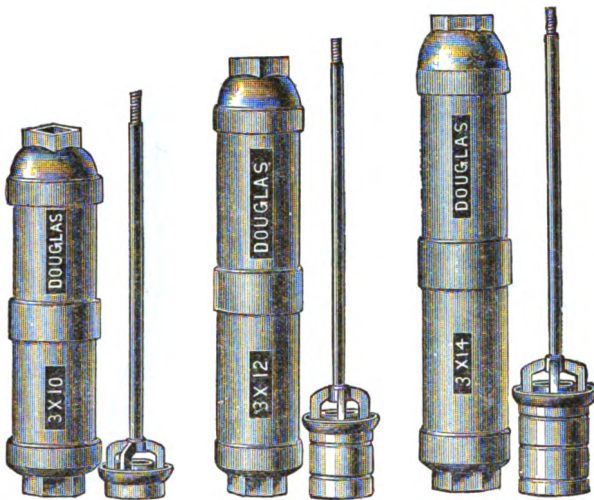


Fig. 230.

Fig. 230.

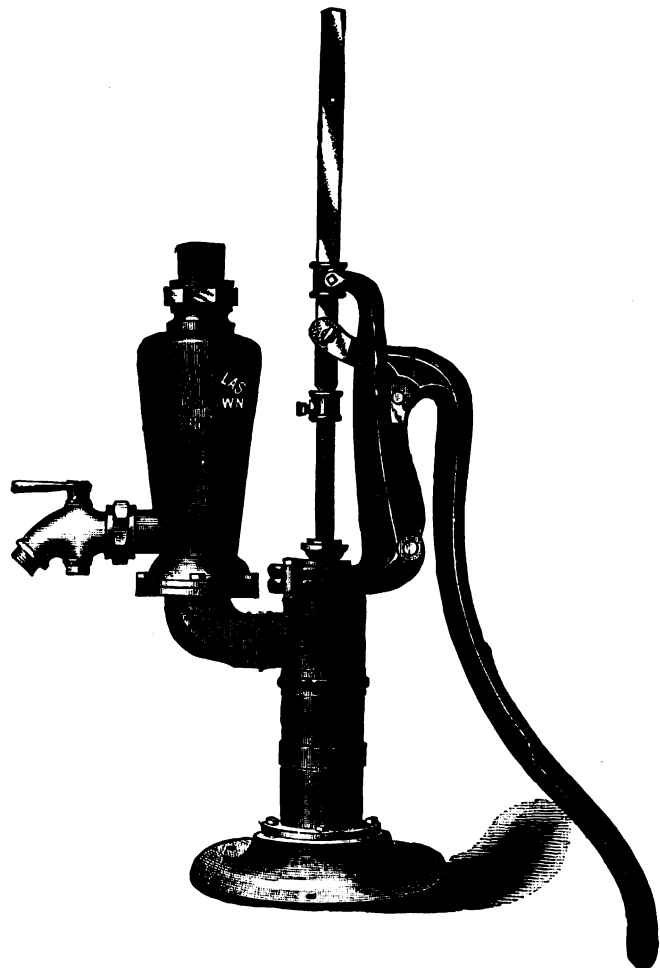
Fig. 230.

The cuts show the Cylinders, with piston which is put into the several lengths. All Cylinders 16 inches long and above have grooved water packing.

Code.	Bore and Length of Cylinder, Inches.	Size Pipe, Inches.	Weight, Lbs.	Each.
Misrolled .....	2 3/4 x 12	1 1/4	10	\$13.25
Missdeut .....	3 x 12	1 1/4	12	14.00
Misselden .....	3 x 12	1 1/2	12	14.00
Misserved .....	2 3/4 x 14	1 1/4	13	15.50
Missilant .....	3 x 14	1 1/4	13	16.25
Misstape .....	3 x 14	1 1/2	13	16.25
Mistaste .....	3 1/2 x 14	1 1/2	16	21.00
Mistern .....	3 1/2 x 14	2	16	21.00
Mistgabe .....	4 x 14	2	19	26.50
Misticut .....	3 x 16	1 1/4	14	17.25
Mistiford .....	3 x 16	1 1/2	14	17.25
Mistress .....	3 1/2 x 16	1 1/2	20	22.50
Misturn .....	3 1/2 x 16	2	20	22.50
Misvouch .....	4 x 16	2	21	28.00

**OCCIDENT FORCE PUMPS ON BASE.**

FOR HAND OR WINDMILL USE. TO LIFT WATER 25 FEET OR LESS.



**Fig. 382.**

The above cut shows an Extra Heavy Force Pump on base, made with solid cast brass piston rod and brass stuffing box, and arranged with patent windmill attachment, with brake for hand use. This is an extra strong Pump, made to meet the requirements of a pump to stand rough usage.

**All Iron.**

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gals.	Weight, Lbs.	Each.
Miswrite .....	<b>2</b>	2½	6½	1¼	.114	81	\$14.50
Mitford .....	<b>4</b>	3	6½	1½	.165	88	16.50
Mitgilde .....	<b>6</b>	3½	6½	2	.224	125	24.00

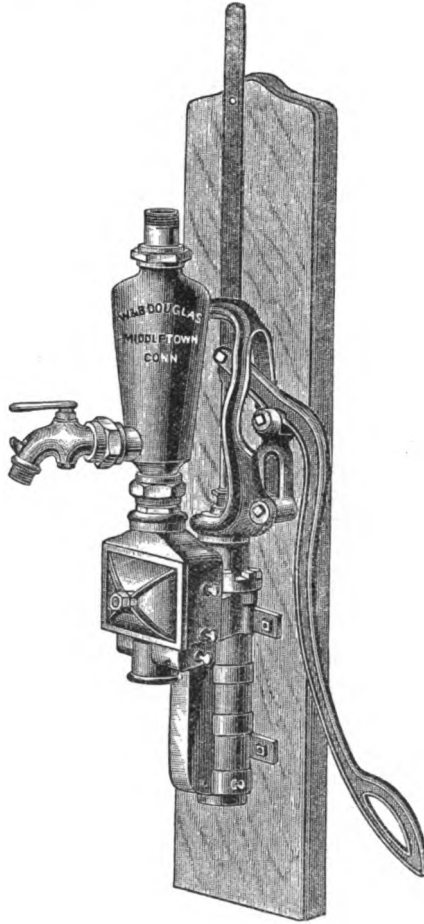
**Brass Cylinder.**

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gals.	Weight, Lbs.	Each.
Mithrene .....	<b>4</b>	3	8	1½	.203	88	\$45.00
Mitidion .....	<b>6</b>	3½	12	2	.415	120	60.00



**DOUBLE-ACTING SUCTION AND FORCE PUMPS.**

FOR SIDEWALL, WINDMILL OR HAND USE. BRASS PISTON RODS, STUFFING BOXES AND PLUGS.

**Fig. 320.**

A very compact, Double-Acting Suction and Force Pump, mounted on grained plank so it may easily be secured to a sidewall or post. This Pump is arranged to be connected to windmill or operated by hand power, as may be required. The valves are all very easy of access, being under one cap in front which is held by one nut, as the cut shows. This gives a great advantage, as repairs can be made without disturbing the pipes. The piston rod, stuffing box and plugs are made of brass.

Code.	Number.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gals.	Weight, Lbs.	Each.
Mitigando.....	4	3	7	1½	.354	109	\$25.00

SUCTION AND FORCE PUMPS.

WITH SOLID BRASS PISTON ROD AND CHANGEABLE HEAD, FOR WINDMILL OR HAND USE

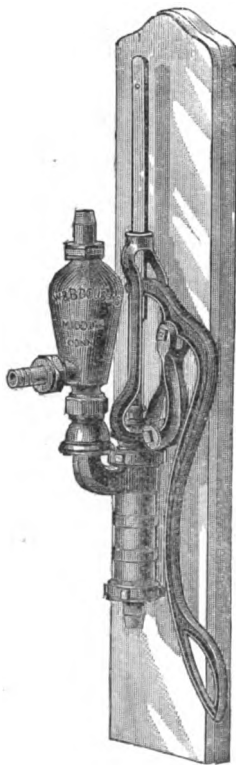


Fig. 283.

The above cut shows Single-Acting Suction and Force Pump, mounted on plank, with windmill attachment, arranged with brake for hand use when bar of windmill is detached.

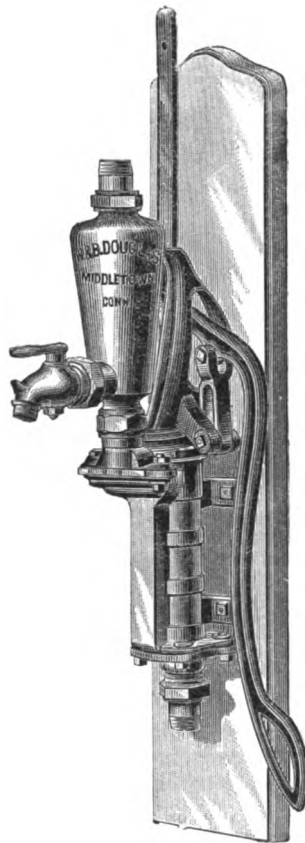
Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gals.	Weight, Lbs.	Each.
Mitigate .....	3	2 3/4	5 1/4	1 1/4	.123	60	\$14.50
Mitrabar.....	4	3	5 1/4	1 1/2	.146	77	15.00
Mitrasame .....	6	3 1/2	5 1/4	2	.190	110	22.00

Fig. 283 With Cock In Spout.

Code.	Numbers.	Each.	Code.	Number.	Each.
Mitratore .....	3	\$17.50	Mitursack.....	6	\$27.00
Mitridate .....	4	20.00			

## LETTER "A" DOUBLE-ACTING SUCTION AND FORCE PUMPS.

MOUNTED FOR WINDMILL OR HAND POWER, WITH BRASS PISTON RODS.



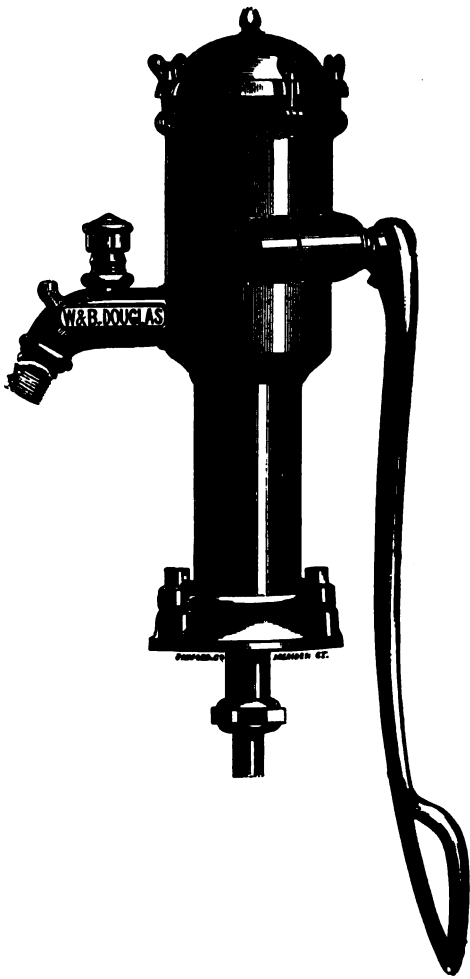
**Fig. 286.**

The above cut shows Letter "A" Double-Acting Suction and Force Pump, mounted with rod for attaching the bar to windmill. When bar is detached the Pump may be operated by the hand brake. Constructed with iron air barrel and cock, and in every way a perfect and substantial article.

Code.	Number.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gals.	Weight, Lbs.	Each.
Moabina .....	4	3	6¾	1½	.342	86	\$26.50

**PATENT PENDULUM FORCE OR LIFT PUMPS.**

WITH FORGED STEEL ROCKER SHAFTS AND BRASS VALVE SEATS.



**Fig. 209.**

In this Pump an Air Barrel is arranged within the upper end of cylinder, making it a Force Pump applicable for throwing water from a hose, forcing it through pipe or for tank service.

Loosening the vent plug on top of air chamber at once converts the Pump into a smooth-working Lift Pump.

The Cylinder swivels round on the bottom flange, so as to place the spout in any direction.

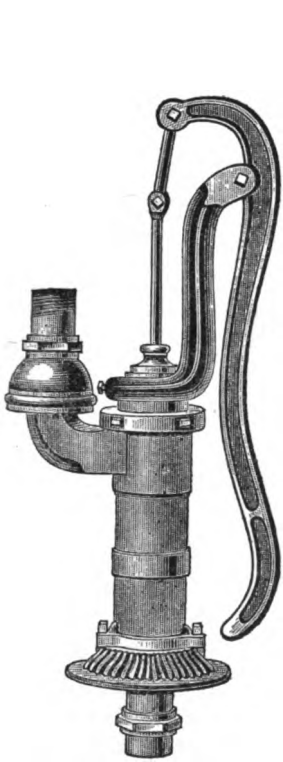
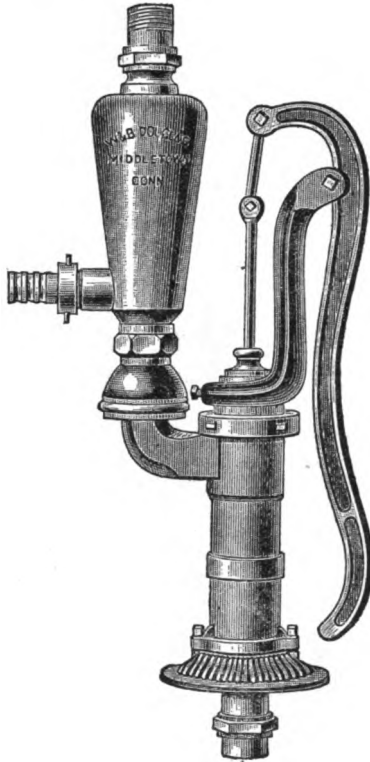
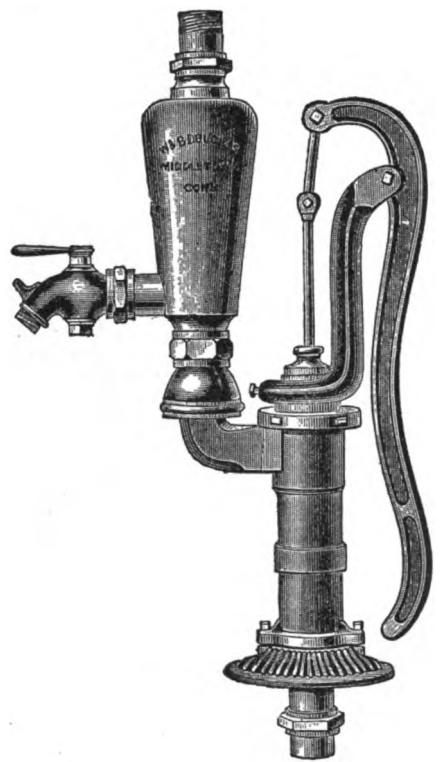
The Cap on spout may be unscrewed and applied to bottom opening when it is desired to use the upright discharge.

The patented improvements allow ready and convenient access to inside parts for repairing, etc. The water is let back to avoid freezing.

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gallon.	Weight, Lbs.	Each.
Mobilaro.....	0	2½	4½	1	.079	35	\$12.50
Mobilgart.....	1	3¼	6	1¼	.179	49	15.00
Mobocrat.....	2	4	7¼	1½	.327	82	25.00

**BOLT-FASTENED SUCTION AND FORCE PUMPS.**

ALL WITH BRASS PISTON RODS AND REVOLVING BRAKE STANDS.

**Fig. 12.****Fig. 91.****Fig. 157.**

The most popular common style Force Pump made. Will throw water 60 or 70 feet from hose pipe, making them invaluable for every house for extinguishing fires. Air Bands have discharge couplings at both top and side, and whichever outlet is not used is covered by a blank disc furnished with Air Band.

The revolving Brake Stand allows the handle to be placed at any angle from spout.

Goose necks, as shown in Figs. 76 and 23, pages 964, 965, are adapted for use with the above Pumps in place of the straight spouts.

**Figure 12.**

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Mocchabo.....	<b>2</b>	2½	5	1¼	.088	.....	<b>\$ 9.50</b>
Mocedade.....	<b>3</b>	2¾	5¼	1¼	.112	.....	<b>10.00</b>
Mocetone.....	<b>4</b>	3	5¼	1½	.133	.....	<b>11.00</b>
Modalida.....	<b>6</b>	3½	5½	2	.190	.....	<b>14.00</b>

**Figure 91.**

Code.	Numbers.	Weight, Lbs.	Each.
Modanato.....	<b>2</b>	38	<b>\$11.00</b>
Modebang.....	<b>3</b>	48	<b>12.00</b>
Modelamo.....	<b>4</b>	56	<b>13.00</b>
Modeleur.....	<b>6</b>	86	<b>16.00</b>

**Figure 157.**

Code.	Numbers.	Each.
Modelmut.....	<b>2</b>	<b>\$12.50</b>
Modenuss.....	<b>3</b>	<b>13.50</b>
Moderatist.....	<b>4</b>	<b>14.50</b>
Modernite.....	<b>6</b>	<b>18.00</b>

**SUCTION AND FORCE PUMPS.**

MOUNTED ON PLANK, WITH BRASS PISTON ROD.

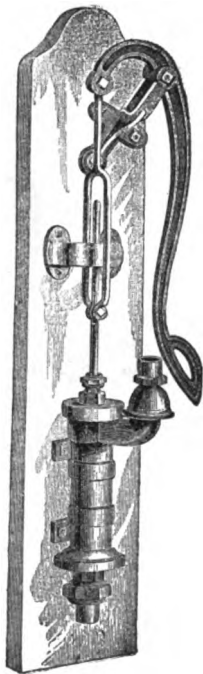


Fig. 3.

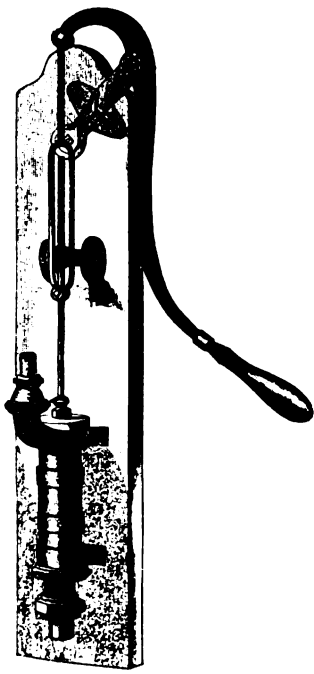


Fig. 90.

These Pumps are constructed with Guide Rod and are mounted on plank. They are suitable for drawing water from wells and forcing it up into bathing chambers, factories, railroad tanks or any other elevated position. They are useful for protecting buildings against fires. They can be worked by either hand or power, and, if desired, placed down in deep wells. The quantity of water raised and discharged by a given size Pump is, of course, varied materially according as the height or distance is varied. When the height or distance is great, the effect of the Pump is greatly improved and a larger quantity of water raised by the application of an air barrel.

Figures 3 and 90 Pumps are the same, except that the latter has a Wrought Iron Brake with wood handle, special Solid Brass Piston and Metal Valves for salt water.

Figure 3—Iron.

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction and Discharge Pipes, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Modichor.....	3	2 3/4	6 3/4	1 1/4	.145	45	\$15.75
Modiglian.....	4	3	7	1 1/2	.177	59	16.50
Modiolar.....	5	3 1/4	6 3/4	1 1/2	.202	63	20.00

Figure 3—Brass.

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction and Discharge Pipes, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Modismo.....	2	2 1/2	5 1/4	1 1/4	.002	35	\$25.00
Modulabor.....	3	2 3/4	6 3/4	1 1/4	.145	42	28.00
Modulate.....	4	3	7	1 1/2	.177	55	34.00

Figure 90—Brass.

Code.	Number.	Bore, Inches.	Stroke, Inches.	Suction and Discharge Pipes, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Moduleri.....	6	3 1/2	7	2	.242	74	\$53.00

SUCTION AND FORCE PUMPS.

MOUNTED ON PLANKS WITH GUIDE RODS AND BRASS PISTON RODS.

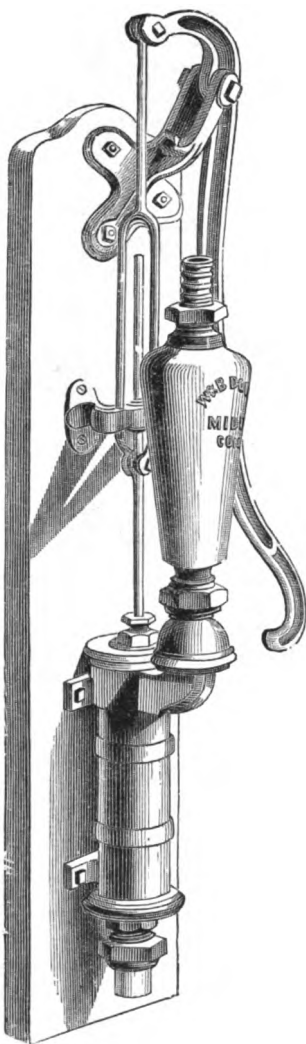


Fig. 69.

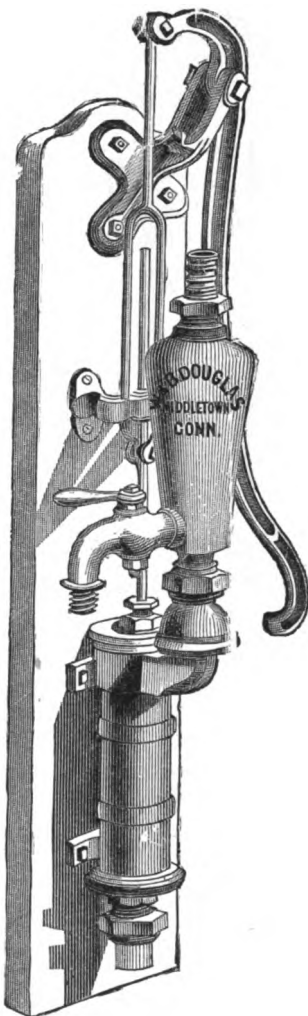


Fig. 153.

The above Pumps are same as Fig. 3, with the addition of an Air Barrel, on Fig. 69, and an Air Barrel and Cock on Fig. 153. Air Barrels with outlets at both side and top can be furnished.

Iron.

Numbers.	Bore, Inches.	Stroke, Inches.	Weight, Lbs. Fig. 69.	Fig. 69.		Fig. 153.	
				Code.	Each.	Code.	Each.
3	2¾	6¾	58	Mofadore	\$17.75	Mograbino	\$19.00
4	3	7	75	Mofarast	18.50	Moguntin	22.00
5	3¼	6¾	86	Mogendos	23.00	Moidere	26.00

LETTER "A" DOUBLE-ACTING SUCTION AND  
FORCE PUMPS.

MOUNTED ON PLANK WITH BRASS PISTON RODS.

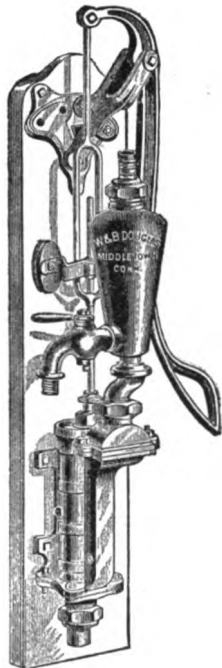


Fig. 233.

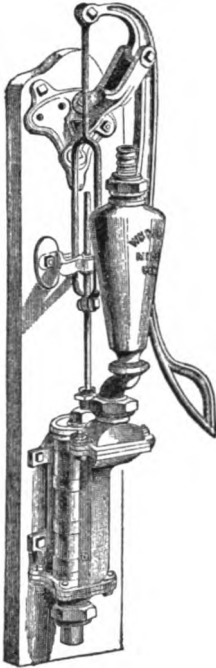


Fig. 66.

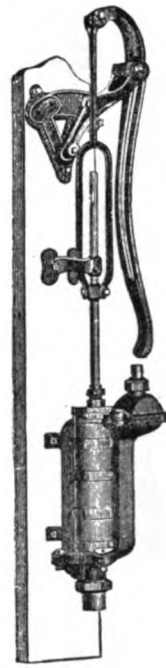


Fig. 26.

The above cuts represent a high class Double-Acting Force Pump, suitable for all situations where a steady and constant stream of water is required to be forced up and a rapid supply is needed. Its steady and uniform action makes it well adapted for being driven by power. When the height or distance to which the water is to be raised is great, or when desired to throw same through a hose pipe in a jet, it is preferable to use the style with Air Barrel.

Figure 26—Iron.

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Molandore.....	1	2½	4¾	1	.137	46	\$14.00
Moldeamo.....	2	2½	5¼	1¼	.184	52	17.00
Moldurage.....	3	2¾	6¼	1¼	.268	60	19.00
Moletism.....	4	3	6¾	1½	.342	67	21.00
Molimino.....	5	3¼	7	1½	.419	86	22.00
Molineria.....	6	3½	8	2	.552	94	25.00
Mollandol.....	8	4	8¼	2	.744	153	37.00
Mollebard.....	10	4½	10	2	1.144	189	50.00

Figure 66—Iron.

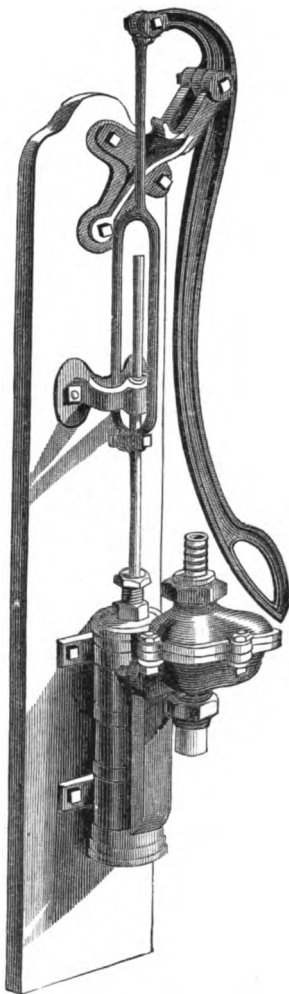
Figure 233—Iron.

Code.	Numbers.	Each.	Code.	Numbers.	Each.
Mollentius.....	1	\$16.00	Momordie.....	1	\$18.50
Molliment.....	2	19.00	Mompelar.....	2	21.50
Mollipede.....	3	21.00	Monacail.....	3	24.00
Mollusk.....	4	23.50	Monachale.....	4	26.50
Molondram.....	5	25.50	Monacharm.....	5	30.00
Moltiflor.....	6	28.50	Monachico.....	6	33.50
Multiplex.....	8	42.00	Monadelfa.....	8	48.00
Momenett.....	10	55.00	Monadibo.....	10	61.00

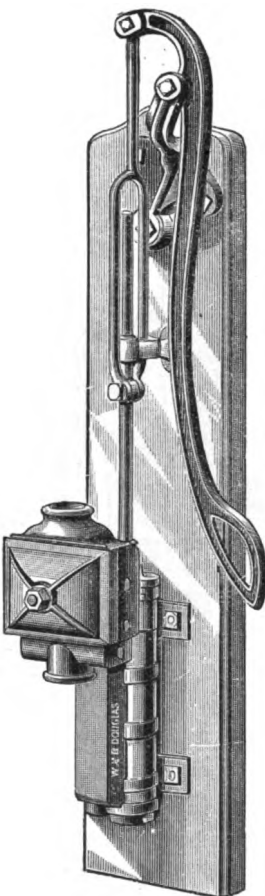


**LETTER "B" DOUBLE-ACTING SUCTION AND FORCE PUMPS.**

WITH SELF-PRIMED VALVES AND BRASS PISTON RODS.



**Fig. 67.**



**Fig. 234.**

The above cut shows a very superior Double-Acting Force Pump, very steady and easy working, and admirably adapted for power as well as hand use.

All the valves are at the upper end of the cylinder, and the Piston is always immersed in water, so that the packings never become dry, and the pump will always bring the water at first starting as it is constantly charged.

Fig. 234 is substantially the same as Fig. 67 but is a different model. The Valve Cap is held with one bolt and nut as shown, and the valves can be examined and repaired without disturbing the pipes.

**Figure 67—Iron.**

Code.	Number.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Monandram ...	<b>3B</b>	2¾	6½	1¼	.278	53	\$16.00

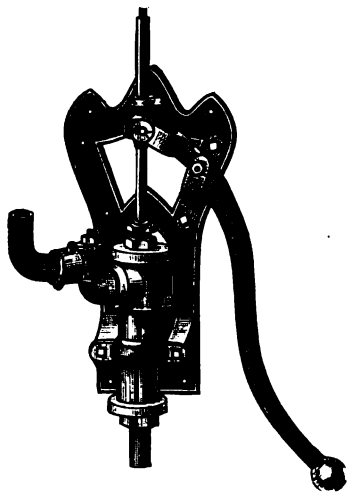
**Figure 234—Iron.**

Code.	Number.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Monarchy.....	<b>4B</b>	3	7	1½	.354	86	\$19.00

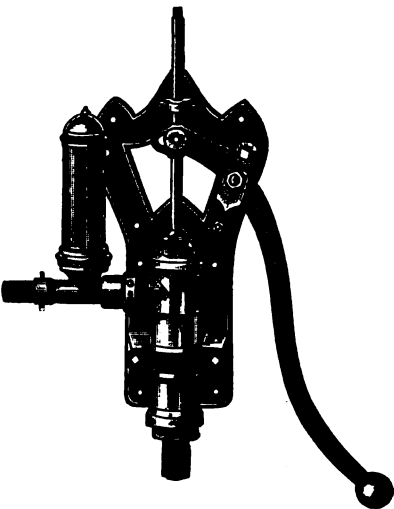
Air Barrels with or without Cocks can be furnished with these Pumps.

**“MANHATTAN” SIDE BRACKET BRASS LIFT AND  
FORCE PUMPS.**

• WITH SWIVEL CYLINDER TO PLACE BRAKE IN ANY POSITION.



**Fig. 341.**



**Fig. 343.**

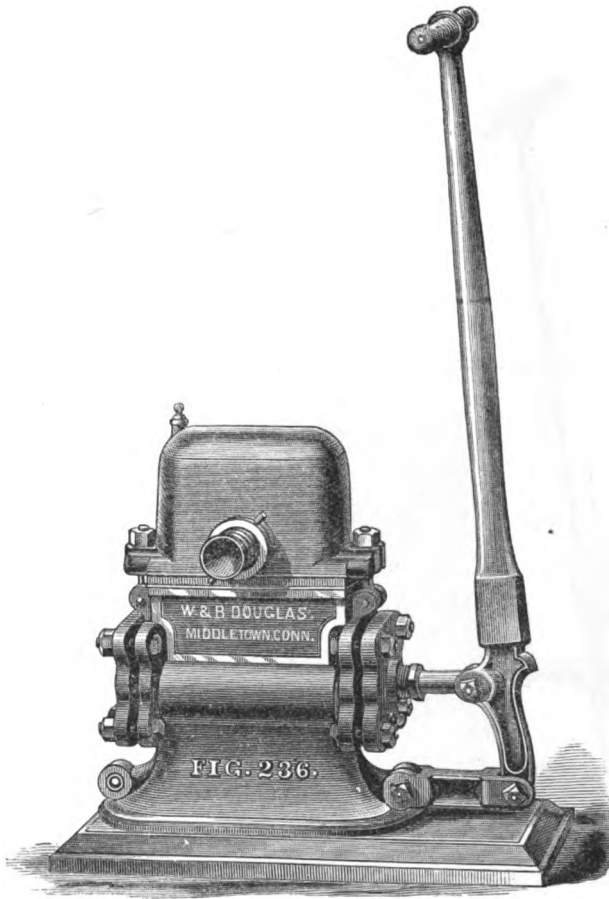
The above cuts represent Figs. 341 and 343. Brass Pumps on Iron Frame, especially adapted for lifting and forcing small quantities of water to a great height.

The Brakes can be placed on either side, and the body of pump being made on a swivel, the spout can be placed in any position desired. The pumps can be used for spraying trees, etc., and are handy for ship's galleys, taking up but little space. Both suction and discharge are fitted for 3/4-inch hose. Both pumps have 2-inch bore. Fig. 341 has elbow on discharge, and Fig. 343 has Air Chamber. The top of Working Rod is threaded for 1/4-inch gas pipe.

Code.	Figure.	Bore, Inches.	Weight, Lbs.	Each.
Monarchist.....	341	2	22	\$12.00
Monastic.....	343	2	28	16.00

## HORIZONTAL DOUBLE-ACTING SUCTION AND FORCE PUMPS.

WITH BRASS-LINED CYLINDERS AND LARGE AIR BARRELS.



**Fig. 236.**

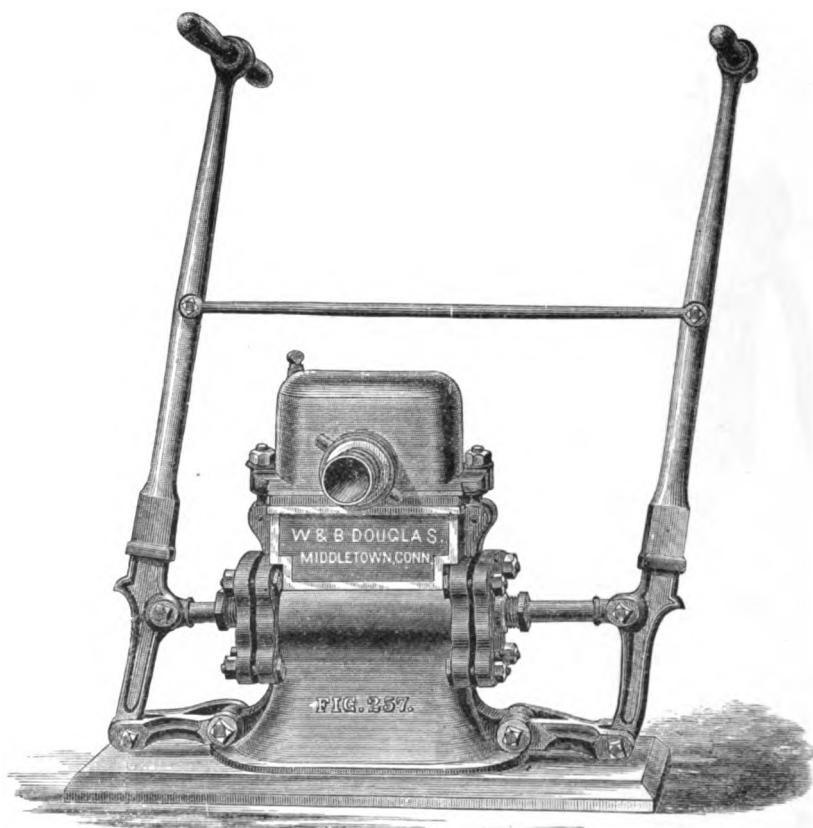
The above cut shows Fig. 236, Horizontal Double-Acting Suction and Force Pump for Wineries, Ships, Factories, Railroad Stations, etc.

All the valves are readily accessible by simply unscrewing the bolts and lifting off the air chamber, without disturbing the suction pipes. The Pumps are Iron with Brass Linings, Metal Valves and Spring Piston.

Code.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Discharge Pipe, Inches.	Capacity per Stroke, Gals.	Weight, Lbs.	Each.
Monatsur.....	2½	5¼	1¼	1¼	.184	60	\$30.00
Monaulite.....	3	5¼	1½	1¼	.266	92	33.00
Monchero.....	4	5¼	2	1½	.474	134	35.00
Mondacht.....	5	5¾	2½	2	.804	178	44.00

## HORIZONTAL DOUBLE-ACTING SUCTION AND FORCE PUMPS.

WITH BRASS-LINED CYLINDERS.



**Fig. 257.**

The above cut shows Fig. 257, Horizontal Double-Acting Suction and Force Pump, arranged with brake at each end to afford means of applying great power. This Pump is similar in construction to Fig. 236, on preceding page, having all the valves under the cap. By unscrewing the bolts and lifting off the air chamber the valves are readily got at without disturbing the suction pipes.

These Pumps are Brass lined, with Metal Valves and Spring Piston.

Code.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Discharge Pipe, Inches.	Capacity per Stroke, Gals.	Weight, Lbs.	Each.
Mondanet.....	4	5¼	2	1½	.474	160	\$47.00
Monderem .....	5	6	2½	2	.840	210	54.00
Mondiglo.....	6	5½	3	2½	1.110	319	61.00

## HORIZONTAL DOUBLE-ACTING PLATFORM FORCE PUMPS.

ON WHEELS WITH BRAKE.



**Fig. 292.**

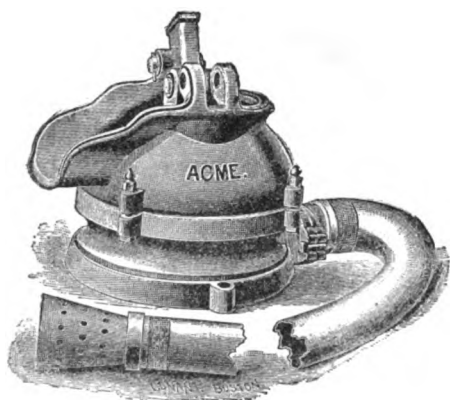
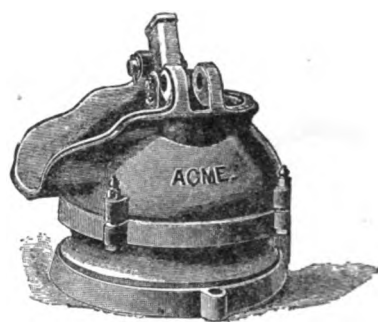
Fig. 292 shows a very nice Double-Acting Suction and Force Pump, constructed with Brass-lined Cylinder, and on wheels, so as to be easily transported from place to place where it may be desired for use. It has our platform brake, upon which the operator can stand when working the Pump, holding it very firm and steady. It will answer admirably as a Portable Fire Engine, and also for use on the floor of Wineries, Breweries or Factories where it is required to remove liquid from tanks or barrels.

Brass Lined, with Metal Valves and Spring Piston.

Code.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Discharge Pipe, Inches.	Capacity per Stroke, Gallon.	Weight, Lbs.	Each.
Mondphare.....	2½	5¼	1½	1¼	.184	114	\$40.00
Mondvorm.....	3	5¼	1½	1¼	.266	144	45.00
Monebist.....	4	5¼	2	1½	.474	200	53.00

**ACME DIAPHRAGM PUMPS.**

FRICTIONLESS AND NON-CHOKEABLE. FOR CONTRACTORS' USE.

**Fig. 381.****Fig. 376.**

The above cuts show Patent Diaphragm Pumps, Fig. 376 having suction connection at bottom, and Fig. 381 having suction connection at side. This apparatus is recommended as the very best Pump in the market to discharge a large quantity of water with very little labor.

Especially adapted for use on vessels, railroads, and by contractors for sewers, foundations of buildings, etc., as the valves will discharge matter containing sand, gravel, coal dirt, tar, mud, drainage, grain and sanitary matter without wearing the Pump.

It has a heavy Wrought Iron Handle, not shown in cut.

Diaphragms are made of best Para Rubber.

**Fig. 376. Suction Connection at Bottom.**

Code.	Number.	Diameter of Diaphragm, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Moneduro.....	<b>2</b>	12½	3	1½	156	<b>\$43.00</b>

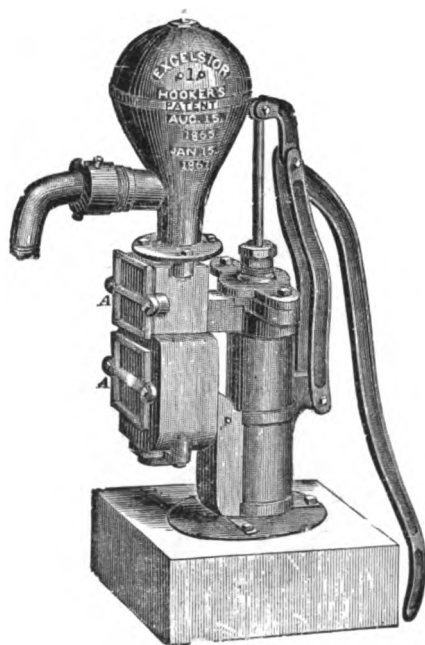
**Fig. 381. Suction Connection at Side.**

Code.	Number.	Diameter of Diaphragm, Inches.	Suction Pipe, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Monetario.....	<b>2</b>	12½	3	1½	177	<b>\$43.00</b>

Hose and Strainer are not furnished with Fig. 381, unless specially ordered, and are not included in price above.

## EXCELSIOR DOUBLE-ACTING SUCTION AND FORCE PUMPS.

These Pumps are constructed in the simplest manner. They are more durable and have larger and more direct ports for receiving and discharging water, and are warranted to furnish more water than any other pump of equal caliber made. The poppet valves, being square, cannot be wrongly placed. As **fire pumps** they are always reliable and efficient, on account of the large quantity of water they will supply. The valves can be changed without disconnecting air chamber, suction or discharge pipes. In case of necessity the Pump can be run at a high rate of speed and will furnish water proportionately.



Above cut represents Excelsior Hand Pump on pedestal. For domestic use no better pump can be found.

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Discharge Pipe, Inches.	Weight, Lbs.	Each.
Monetize.....	<b>1</b>	2½	6	1¼	1	70	\$27.00
Mongers.....	<b>2</b>	3	7	1½	1¼	100	35.00

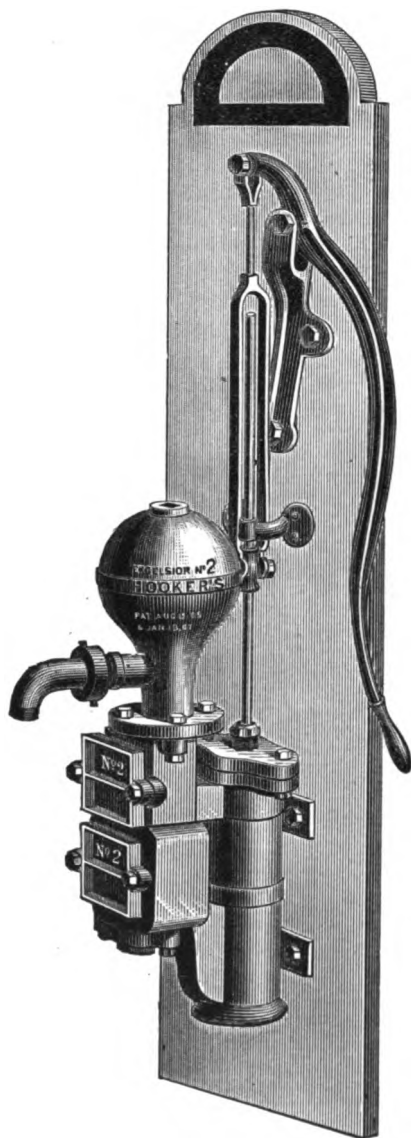
No. 1 Pump, making 56 strokes per minute, will discharge 800 gallons per hour.

No. 2 Pump, making 52 strokes per minute, will discharge 1300 gallons per hour.

All parts are interchangeable, and can be furnished at a reasonable charge.

## EXCELSIOR DOUBLE-ACTING SUCTION AND FORCE PUMPS.

MOUNTED ON PLANK.



Above cut represents Excelsior Hand Pump mounted on plank. Excelsior Pumps can be operated by windmill or horse-power for irrigating purposes, also by steam, as well as by hand. After years of trial in all situations they still hold their place as the best pumps on the market.

Code.	Numbers.	Bore, Inches.	Stroke, Inches.	Suction Pipe, Inches.	Discharge Pipe, Inches.	Weight, Lbs.	Each.
Mongolide.....	<b>1</b>	2½	6	1¼	1	100	\$29.00
Moniloid .....	<b>2</b>	3	7	1½	1¼	127	37.00

No. 1 Pump, making 56 strokes per minute, will discharge 800 gallons per hour.

No. 2 Pump, making 52 strokes per minute, will discharge 1300 gallons per hour.

All parts are interchangeable, and can be furnished at a reasonable charge.



## HYDRAULIC RAMS.

Every two feet of a perpendicular column of water develops about one pound pressure to the square inch; for instance, a column of water ten feet high would give about five pounds pressure; one fifteen feet high, seven and one-half pounds pressure to the square inch, and so on. Water running down an inclined surface, or through an inclined pipe, increases in speed until a certain amount of friction is developed, which tends to hold the water at the same velocity. The power which operates a Hydraulic Ram is created by the fall and velocity of the water that is supplied to it; hence it is necessary to have a fall or head of water the same as if a small water wheel were to be operated, the water proceeding through a Supply Pipe to the Ram at an incline, and at a distance great enough to give the required velocity.

The Drive or Supply Pipe should be placed at an angle of not more than thirty degrees, in order to give the best results; and the length of Drive Pipe may vary from twelve to one hundred feet or more. As a general thing it should not be less than three-fourths of the height to which the water is to be raised, or five times the head or height of the supply; the length may, however, be much greater than this where it is necessary in locating the Ram to obtain the desired amount of fall. In both Supply and Discharge Pipes, all acute angles should be avoided. If the descent from Reservoir to Ram is greater than thirty degrees, a number of coils may be made in the Drive Pipe to compensate for this difference. These conditions being obtained, the water can be discharged to an elevation several times the fall of water from Reservoir to the Ram; the greater fall of water causing discharge of the greater amount of water at a given height, or a given amount of water at a greater height. In examining the construction of the Hydraulic Ram, it will be seen that the Impetus Valve (the waste, or outside valve) closes as it is forced up, and opens as soon as the pressure is taken from under it. The valve in the Air Chamber opens when the water is forced against it from below, and is closed by the atmospheric pressure in the Air Chamber.

When the conditions mentioned above can be obtained, the water, when introduced into the Supply Pipe, flows down to and through the Impetus Valve, until it has acquired sufficient power by its velocity to throw this valve up and close it. The force of the water continues, and it finds an outlet through the valve in the Air Chamber, which opens, compressing the air until its power is equal to that of the head of water; this closes the Air Chamber Valve, and thus confines the water which has been let in; at the same time the Impetus Valve opens, as the pressure of the water in the Supply Pipe has been overcome by the compressed air in the Air Chamber, and the water commences to waste as before. While the water is wasting from the Impetus Valve, the expansion of air in the Air Chamber forces the water out through the Discharge Pipe, and this operation will continue as long as the working parts of the machine are in perfect condition. As the height to which the water must be elevated by the Ram increases, the amount discharged will decrease.

About one-seventh of the water furnished to the Ram may be raised to a height four times that of the height of supply; one-fourteenth to eight times the height of supply; and as the height water is elevated increases, the amount of water discharge decreases proportionately. With twelve feet of fall and a good supply of water, a large size Ram will deliver about one-twentieth of the water supplied to it to a point not exceeding 120 feet vertical distance and to a horizontal distance 1000 feet or more. With the same fall and less height to deliver the water, the efficiency of the Ram increases. At fifty feet elevation, twice as much water will be discharged as at 100 feet, if the amount of fall is the same. Also, with twenty feet fall, a Ram would raise about as much water 100 feet as would the same Ram raise it to fifty feet with ten feet fall. With twelve feet of fall, the Ram will elevate water to 120 feet, or even higher, though the amount of water discharged will decrease as the height increases, until at about fifteen times the height of "fall" the machine will cease to operate.

A Ram is perfectly applicable where no more than eighteen inches fall can be had, yet the greater the fall applied, the more powerful the operation of the machine, and the higher the water may be conveyed.

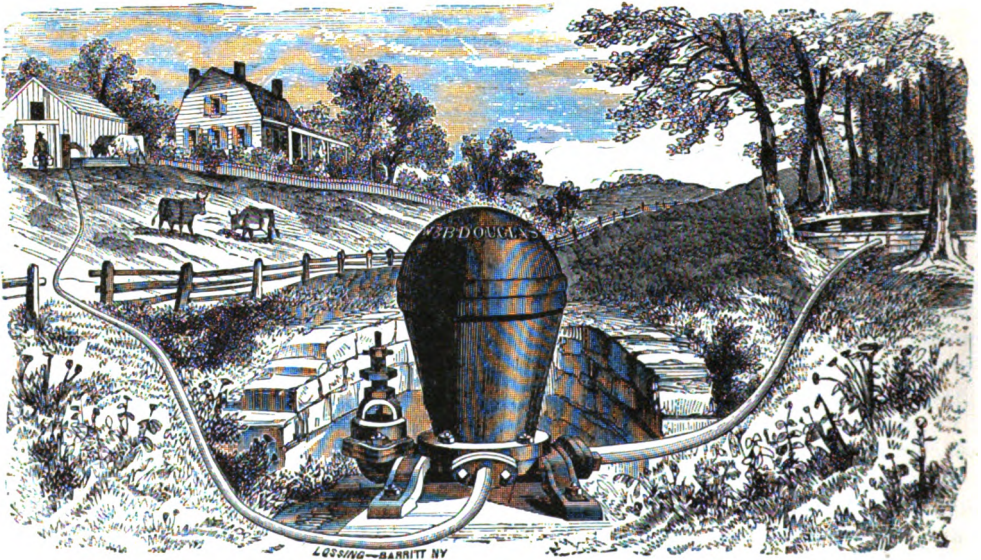
It is common to apply the Ram for conveying water distances of from 1500 to 3000 feet, and up elevations of one and two hundred feet.

When a sufficient quantity of water is raised with a given fall, it is not advisable to increase said fall, as in doing so the force with which the Ram works is increased, and the amount of labor which it has to perform greatly augmented, the wear and tear of the machine proportionately increased, and the durability of the same lessened, so that it is advisable that no greater fall be applied than is sufficient to raise the required quantity of water to place where it is to be used.

The quantity of water drawn from the spring may be varied with the same machine by means of an Adjuster which is applied to all Rams. This is a decided improvement over anything of the kind in use, especially when used in connection with springs or brooks whose capacity is varied and which are affected by drouths and rains—the same machine by this improvement being conveniently changed in capacity and readily adapted to various sized streams.

If a larger supply of water is required than one Ram will furnish, several Rams may be set up so as to play into one Discharge Pipe, each Ram having a separate Drive Pipe.

## HYDRAULIC RAMS.



**The Hydraulic Ram in Operation.**

In locating the Hydraulic Ram, it should be observed that the length of the Drive or Supply Pipe ought not to be less than three-fourths of the height to which the water is to be raised, or five times the height of supply; it may, however, be longer. The Hydraulic Ram is most efficient when the volume of the Air Chamber is equal to the volume of the Discharge Pipe. The larger size Rams, when an abundance of water is supplied, are adapted for elevating to the greatest heights and longest distances. The length of Discharge Pipe is best not to be greater than twenty times the height to which water is discharged or elevated by the Ram. All turns or angles in the Discharge Pipe should be avoided, and the Ram should be set level so the Impetus Valve is vertical.

HYDRAULIC RAM.

FOR ELEVATING WATER.

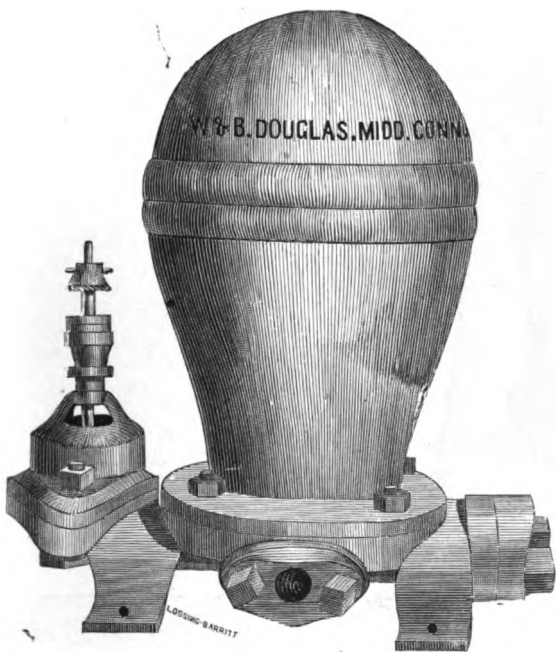


Fig. 77.

The annexed cut represents the Douglas Hydraulic Ram. In locating, a pit should be dug in which the Hydraulic Ram may be placed, in order that it may not be affected by the frost. From the pit a drain should be arranged to carry off the waste water.

A reservoir should be constructed giving the greatest fall or head of water through the Drive Pipe to the Ram.

The Rams are made of iron and bronze. The Valve Stem and Case of the Impetus or Waste Valve are always made of bronze, which is the best material for the purpose.

For further particulars concerning the Hydraulic Ram, we refer to the description and directions on the two preceding pages.

In the operation of Rams it sometimes happens that the air in the Air Chamber is carried away, which prevents the proper working of the Ram. This may be remedied by drilling in the top of the Supply Pipe, a few inches from the Air Chamber, a very small hole, which allows the air to enter with the water, keeping up the supply in the chamber. It is best to use a countersink drill for this, as the aperture must be very small.

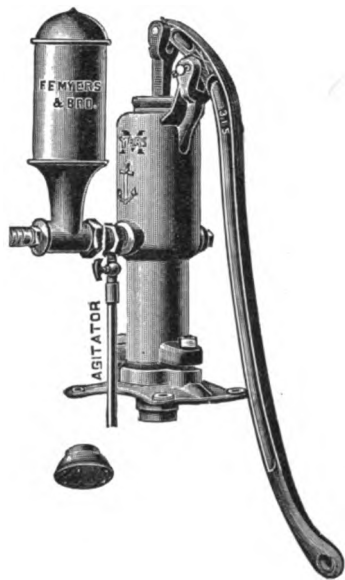
Code.	Numbers.	Quantity of Water Furnished by the Reservoir to Which the Ram is Adapted, Gallons per Minute.	Length the Drive Pipe Should Be, Feet.	SIZES OF PIPE.		Weight, Lbs.	Each.
				Drive, Inches.	Discharge, Inches.		
Monitango.....	2	½ to 2	12 to 50	¾	¾	22	\$ 9.00
Monobrod .....	8	1 ½ " 4	12 " 50	1	½	29	11.00
Monocarp.....	4	3 " 7	12 " 50	1 ¼	½	35	14.00
Monochord.....	5	6 " 14	25 " 100	2	¾	55	22.00
Monocrane.....	6	12 " 25	25 " 100	2 ½	1	125	40.00
Monocrepe.....	7	20 " 40	25 " 125	2 ½	1 ¼	200	60.00
Monoculous.....	10	25 " 100	25 " 150	4	2	700	150.00

Table Showing Efficiency of the Hydraulic Ram.

Minimum Fall of Water, in feet, under which Ram will effectively elevate water to height given below.....	2	2	2	3	4	5	6	7	8	10	12
Height in feet the water may be elevated.....	4	6	8	15	24	35	48	63	80	100	120
Length of Drive Pipe in feet .....	12	12	12	15	20	30	40	50	60	75	95
Number of times the height or elevation of discharge is greater than the fall.....	2	3	4	5	6	7	8	9	10	10	10
Proportion of water elevated or discharged by the Ram .....	¾	⅓	⅓	⅓	⅓	⅓	⅓	⅓	⅓	⅓	⅓
Proportion of water wasted at the Impetus Valve by the Ram.....	⅓	⅓	⅓	⅓	⅓	⅓	⅓	⅓	⅓	⅓	⅓
Per cent of Useful Effect of Power expended....	80	78	75	72	68	62	57	53	48	43	38

**DOUBLE-ACTING BARREL SPRAY PUMPS.**

BRASS VALVES AND SEATS.



**Fig. 544.**

The above cut shows Double-Acting Barrel Spray Pump, which is constructed on the most improved plan and in harmony with the requirements that have been suggested by scientists in charge of experiment stations. Has patent submerged cylinder, is double-acting, has patent expansive plunger bucket, large air chamber to cushion the spray, is provided with two discharge ports, one on each side, of which one or both can be used for spraying. The base is properly shaped to fasten on the side or head of barrel. Has steel pins, long handle, and is fitted with brass upper and brass-lined lower cylinders, with ground brass check valve and brass seat. No rubber or leather valves. It is very powerful and easy to operate; will throw an even mist-like spray over any fruit tree, and will throw a solid stream 60 feet from the point of the nozzle. With the proper hose and pipe extension these Pumps are adapted for use in vineyards, gardens or orchards for the extermination of injurious insects, etc. These Barrel Pumps are fitted with agitator.

Code.	Fig.	Bore, Inches.	Discharge, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Monodrop.....	544	.....	$\frac{1}{4}$ Hose	.....	32	\$11.00

Vermorel or Cyclone Nozzles, shown on page 957, are well adapted for use with this Pump.

## “LITTLE GIANT” BRASS SPRAY PUMPS.

WITH PATENT AGITATORS AND RETURN OVERFLOW CAPS.

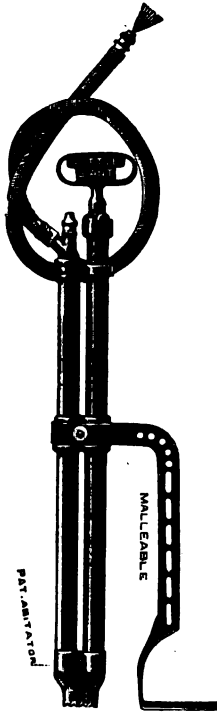


Fig. 639.

These Spray Pumps are constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines and shrubbery. They are so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the Pump down, and it is not necessary to use a foot rest or in any way steady the Pump while in operation except by means of a small clamp, which attaches to the top of the bucket or tub and steadies the Pump, holding it in proper position.

They are provided with a large air chamber, and have ball valves; the pressure is held uniformly in the air chamber and on the hose, so that the nozzle throws a continuous spray and is not affected by the movement of the plunger. The operator is enabled to keep a constant pressure on the nozzle of from 50 to 100 lbs. with very ordinary exertion. Will throw a solid stream 50 feet, and are of unusual value for washing windows and buggies, extinguishing fires, and sprinkling lawns, flowers, etc. For spraying are arranged so as to discharge a fine jet in the bottom of the bucket, to keep the solution thoroughly mixed and agitated, a feature peculiar to these Pumps only, and a very necessary feature to a Spray Pump. The Pumps are also provided with a sprinkler for flowers. Length of stroke 18 inches.

Little Giant Brass Spray Pump, with agitator, complete with hose and Imperial combination fine, coarse spray and solid stream nozzle, with malleable Foot Rest.

Code.	Fig.	Cylinder, Inches.	Weight, Lbs.	Each.
Monogenic.....	639	1	5	\$5.00

Vermorel or Cyclone Nozzles, shown on page 957, are well adapted for use with this Pump.

LEVER BUCKET SPRAY PUMPS.

WITH PATENT AGITATORS. CAN BE USED IN BUCKETS OR CAN BE ATTACHED TO TOP OF BARRELS.

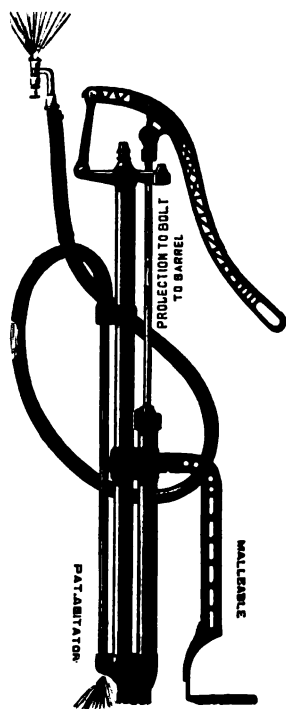


Fig. 682.

In the above cut we offer a Brass Bucket Spray Pump with more real advantages than are contained in any other Spray Pump now on the market.

It has all the advantages of the ordinary barrel pump and bucket pump combined and is sold at a moderate price. Has one-half more Air Chamber than any other make of bucket pump. Is made of BRASS, with BALL VALVES. Handle and Foot Rest are malleable iron.

The work is all done on the down stroke of the handle and it can be operated with one-third the power required for any other old-style bucket Spray Pump. It is no experiment. It has been thoroughly tested and is an excellent seller. Length of stroke 18 inches.

When used as a barrel pump, detach the foot rest and fasten pump to top of barrel with two-bolts.

Lever Bucket Spray Pump, with agitator, complete with hose and graduating Vermorel fine, coarse spray and solid stream nozzle.

Code.	Figure.	Bore, Inches.	Weight, Lbs.	Each.
Monogram.....	682	1 1/4	6	\$6.00

Vermorel or Cyclone Nozzles, shown on page 957, are well adapted for use with this pump.

## AQUAPULT HAND FORCE PUMPS.

WITH BALL VALVES.



Fig. 259.

Fig. 259. In operation.

The above cut shows the "Aquapult" Portable Hand Force Pump. A valuable apparatus discharging a continuous stream. The various uses of this Pump are obvious. It is recommended by all the agriculturists as one of the best hand-spraying pumps made. The valves are small balls which successfully resist the action of acids. Has adjustable step. Each Pump has 3 feet discharge hose, brass discharge pipe and plain and rose tip.

Code.	Figure.	Bore, Inches.	Stroke, Inches.	Capacity per Minute, Gallons.	Weight, Lbs.	Each.
Monograph .....	<b>259</b>	1	25	8	8	\$9.00

## AQUARIUS HAND FORCE PUMPS.

BRASS CYLINDERS, PISTON RODS AND COUPLINGS.



Fig. 80. In operation.

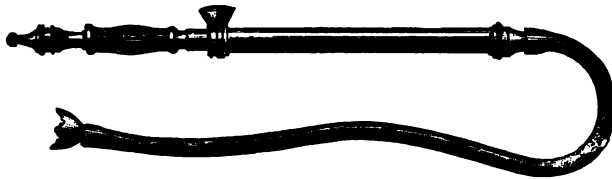
The above cut shows the "Aquarius," which is well known to the farmers of the country. Very serviceable for throwing solutions of Paris Green, London Purple and other insecticides. It comes in handy in case of incipient fires and for washing carriages. It is built strong and durable. Each Pump is furnished with 2½-foot suction and 3-foot discharge hose, with brass discharge pipe and plain and rose tip.

Code.	Figure.	Bore, Inches.	Stroke, Inches.	Weight, Lbs.	Each.
Monolith.....	80	1½	17	15	\$9.00



**AQUANETTE HAND FORCE PUMPS.****Fig. 365.** In operation.

The above cut shows the Aquanette in operation, and cut below shows the Pump as sent to market. This is the best apparatus of the kind for sprinkling trees, shrubs, etc. With a pail on his arm the operator can mount a ladder and shower trees at the highest point, when same cannot be reached from the ground.

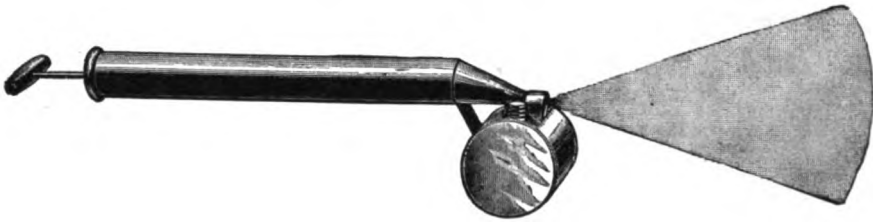
**Fig. 365.**

Each Pump is furnished with suction hose, plain and rose tips.

Code.	Figure.	Bore, Inches.	Stroke, Inches.	Weight, Lbs.	Each.
Monologue .....	<b>365</b>	1	8	5	<b>\$8.00</b>

**FAULTLESS SPRAYERS.**

THROW A SPRAY AS FINE AS MIST. MADE OF TIN, WITH SPRING STEEL WIRE PISTON ROD  
AND CUP LEATHER PLUNGER.



**Fig. 790.**

Adapted for the destruction of every kind of insect. A half teaspoon of paris green and one filling with water is sufficient to destroy the bugs on 1300 hills of potatoes.

The best constructed sprayer of its class ever offered to the trade. Spray is given great force by tapering point of air chamber carrying it a great distance. The tube of air chamber is soldered to top of reservoir and is also supported by a strip of metal passing over point.

Code.	Number.	Length, Inches.	Capacity Tank, Quarts.	Weight per Doz. Crated, Lbs.	Ship. Measure per Doz., Cu. Ft.	Per Dozen.
Monomacho .....	1	22	$\frac{3}{4}$	25	$2\frac{1}{2}$	\$10.00

One dozen in a crate.

**UNCLE SAM LIQUID SPRAYER.**

SELF-OPERATING.

This Sprayer has removable brass air pump, and by means of compressed air a fine spray is thrown from 8 to 12 feet, or a solid stream 30 to 40 feet. Has a hollow handle, into which a pole may be inserted and the apparatus raised for spraying trees.

Especially recommended for spraying germicides and disinfecting solutions in houses, stables, markets and on steamers, etc.



Code.	Number.	Height, Inches.	Diameter, Inches.	Capacity, Quarts.	Weight, Lbs.	Each.
Monomarte.....	.....	13	$4\frac{1}{4}$	2	$1\frac{1}{2}$	\$2.25

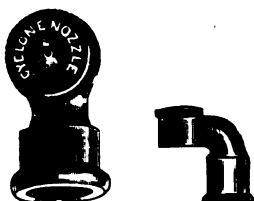
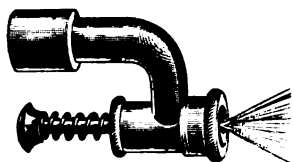
**CYCLONE SPRAY NOZZLES.**

Fig. 550.      Fig. 551.

BRASS. THREADED FOR  $\frac{1}{4}$ -INCH IRON PIPE.

Figs. 550 and 551 are made so that the Disc or Cap can be unscrewed and cleaned out at any time. In Fig. 550 the spray opening is at side. Fig. 551 has straight-away opening.

Code.....	Monometer	Monopasto
Figures.....	<b>550</b>	<b>551</b>
Each.....	\$0.80	.80

**VERMOREL SPRAY NOZZLES.**BRASS. THREADED FOR  $\frac{1}{4}$ -INCH IRON PIPE.

Each Nozzle is furnished with two Caps, with different-sized openings, for coarse or fine spray.

Code.....	Nonopetal
Figure.....	<b>552</b>
Each.....	\$1.00

**"Y" CONNECTIONS.**

BRASS. WITH  $\frac{3}{4}$ -INCH FEMALE HOSE THREAD ON INLET AND  $\frac{3}{4}$ -INCH MALE HOSE THREAD ON LATERAL DISCHARGES.

This fitting is used when two separate sprays are required with one pump.

Code.....	Monopyre
Each.....	\$1.00

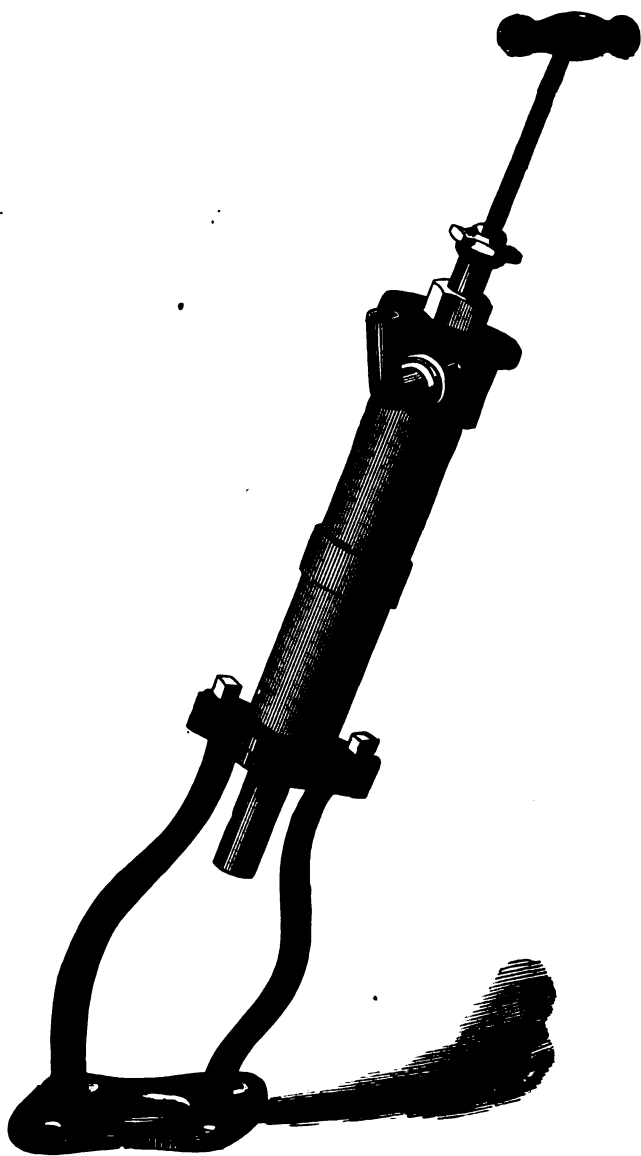
**BAMBOO EXTENSIONS.**

The above cut represents a Bamboo Extension for use in connection with discharge hose on Spray Pumps, to reach higher branches of trees, etc. Has  $\frac{1}{4}$ -inch pipe inside of bamboo, with Globe Valve and  $\frac{3}{4}$ -inch Hose connection at one end and with  $\frac{1}{4}$ -inch Iron Pipe thread on discharge end for any style spray nozzle having  $\frac{1}{4}$ -inch female thread.

**Prices for Bamboo Extensions Without Spray Nozzles.**

Code.....	Monotheist	Monotony	Monradet
Length, feet.....	<b>8</b>	<b>10</b>	<b>12</b>
Each.....	\$2.50	2.75	3.00

**PATENT BRASS COUNTER PUMPS.**



**Fig. 198.**

The above cut shows Brass Counter Pump with Oblique Base, to stand out of way under counter, for pumping oil, vinegar and all kinds of liquids.

The working parts, as well as the couplings and discharge connection, are of Brass.

The supply and discharge connections take 1/2-inch Lead or Pure Block Tin Pipe.

Code.	Fig.	Bore, Inches.	Stroke, Inches.	Capacity per Stroke, Gallons.	Weight, Lbs.	Each.
Monsters.....	198	2	.....	.....	13	\$6.50

## **SUGGESTIONS TO WELL DRIVERS.**

It is generally known that Driven Wells cannot be successfully made in stony soil, or where the stratum of clay is too thick to be penetrated. Water is frequently obtained above clay or rock formation, and below that it is found in abundance and of the best quality.

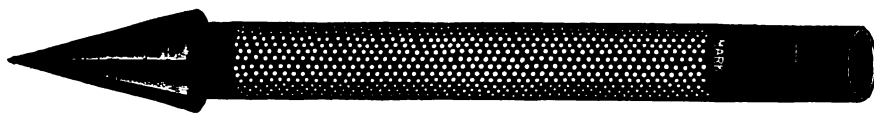
The clay and quicksand can be easily penetrated by boring with an auger a short distance into the clay, or driving down a tube open at the lower end, withdrawing it at intervals and extracting the accumulations; this operation can be repeated until this stratum is drilled. It will require great care not to drive too deep into the adhesive clay, so as to prevent ready withdrawal of the implement. The well augers now in market cut a core in the earth, and do away with much of the laborious work of driving. When water is reached, it can be easily determined by the peculiar gurgling sound in the tube when struck by a mallet. If the quality of water is inferior, it would be desirable to drive deeper and to a better stratum.

## **DRIVING.**

Attach to a gas pipe tube, open at the bottom, or a slotted point without any screen, a length of gas pipe, and to the other end of this fit the drive coupling and drive head. Place it in a vertical position over the point where it is desirable to obtain a well. Then, with the hammer, strike squarely upon the drive head, and continue the blows until the pipe is driven down as far as desired. If a tube is used, after driving it 10 or 12 inches, withdraw it and shake out the contents each time, which will give an idea of the nature of the soil being penetrated. If the blows are moderately light, the risk of injury to couplings is lessened, the work is less laborious, and the tube will enter the ground much faster than if impelled by a heavy, swinging blow. An assistant should steady the tube, and, in order to keep it in upright position, turn it frequently with tongs or wrench during the process of driving. He should fasten the chain around the pipe near the top, insert into the loop formed by the claw hook one end of a stout rail, with the other end resting on the ground, and then, by sitting on the rail, steady the pipe and materially aid the effects of the blows. In the absence of drive head a block of wood may be used to receive the blows, but a regular well driver will find the former nearly indispensable. When the tube or point has been driven down as far as desired, the filter section can then be introduced into the hole without any danger of being injured.

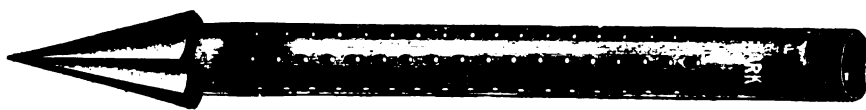
**BRASS JACKET DRIVE WELL POINTS.**

MADE OF WROUGHT IRON PIPE. GALVANIZED.



Above cut shows complete Well Point, with gauze and jacket. The one below shows the pipe punched with elliptical holes before the gauze and jacket are put on.

These Points are made from the best quality pipe, and have elliptical punched holes of uniform size and distance apart; they contain the greatest number of holes possible to put in the pipe and retain sufficient strength for driving. They are covered with brass wire cloth, which is protected by a heavy perforated brass jacket. The drive plug is a malleable casting, is swaged into the pipe and riveted. These Points are made of the best material and workmanship, and excel any other make of Pipe Points on the market.

**No. 60 Gauze.**

Code.	Numbers.	Diameter, Inches.	Length of Point, Inches.	Length of Jacket, Inches.	Square Inches of Openings.	Weight, Lbs.	Per Dozen.
Monstrand.....	<b>90</b>	1 ¼	24	18	20	6	<b>\$36.00</b>
Montadour.....	<b>94</b>	1 ¼	30	24	26 ½	7	<b>46.00</b>
Montagast.....	<b>140</b>	1 ½	30	24	30	7	<b>60.00</b>
Montanest.....	<b>164</b>	2	30	24	35	11	<b>90.00</b>

## MORRIS PERFECTION DRIVE WELL POINTS.

THE BEST DRIVE WELL POINTS MADE.



(Patented.)

Made of the best quality of malleable iron. Cast in one piece in a form that gives them the greatest possible strength for driving. The bodies of these Points are much heavier than those in common Pipe Points. They have double the filtering surface for the ingress of water than that of the best Well Points made of iron pipe.

We recommend these Points especially where well men have difficulty in getting a good supply of water with other Points. **Entire body inside and out is galvanized.**

Well Points should be valued for the filtering surface they have rather than for their length.

While the **Morris Perfection Point** is higher priced than common Points of the same length, it has double the filtering surface, and is consequently cheapest in the end. It insures a beautiful supply of water, enables pumps to operate easily, and gives the best of satisfaction.

### No. 60 Gauze.

Code.	Numbers.	Diameter, Inches.	Length of Point, Inches.	Length of Jacket, Inches.	Square Inches of Openings.	Weight, Lbs.	Per Dozen.
Montivago.....	<b>27</b>	1¼	36	30	68	10	\$56.00
Moongust.....	<b>40</b>	1½	36	30	75	13	72.00

## WASHER DRIVE WELL POINTS.

WROUGHT IRON PIPE. GALVANIZED.



These Well Points are made of wrought iron pipe galvanized, holes bored and countersunk. Each hole is covered with brass wire gauze held in place by a brass washer burred into the opening.

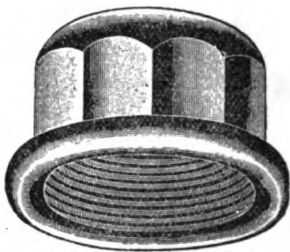
### No. 60 Gauze.

Code.	Numbers	Diameter, Inches.	Length of Point, Inches.	Number of Holes.	Square Inches of Openings.	Weight, Lbs.	Per Dozen.
Moonstone.....	<b>801</b>	1¼	24	60	7¼	5	\$36.00
Moorgass.....	<b>820</b>	1½	24	80	9½	7	48.00
Morabeth.....	<b>824</b>	2	30	140	17	10	90.00

**MALLEABLE IRON DRIVE  
WELL CAPS.**

These Caps are made for driving well points; they are extra heavy, and are especially designed for driving pipe. They are much stronger than the ordinary Cap.

Code.....	Moralison	Moralizad	Morantibo
Size, inches.....	1¼	1½	2
Each .....	\$0.75	.90	1.25
Weight each, lbs.....	1½	2	2¼



**SUCTION PIPE STRAINERS.**

FOR OPEN WELLS AND CISTERNS.

These Suction Strainers are made of malleable iron, galvanized outside and in, and will not break. Are covered with a good quality of brass wire cloth, and are non-corrosive. Have set screw to hold strainer on pipe.

Code.....	Moratorio	Morbidet
Size, inches.....	1¼	1½
Each .....	\$0.60	.75
Weight each, lbs.....	.....	.....



**LOWER CHECK VALVES.**

WITH STRAINERS ATTACHED.

These Valves are designed for use on lower end of pump suction pipes when it is desirable to keep up the column of water where there is no danger of freezing. The use of the Check Valve will greatly aid the working of any pump.

**Fig. 113. Iron.**

Code.....	Morbillon	Morcelar	Morchios	Mordance
Size, inches.....	1	1¼	1½	2
Each.....	\$1.25	1.50	1.75	2.25
Weight each, lbs..	1½	2½	3½	5
Code.....	Mordebit	Mordiamo	Mordillade	
Size, inches.....	2½	3	4	
Each .....	\$2.75	3.75	10.50	
Weight each, lbs.....	9	.....	.....	



**Fig. 118.**

**Fig. 113. Galvanized.**

Code.....	Mordiscat	Morenillo	Moribund
Size, inches.....	1¼	1½	2
Each.....	\$1.75	2.25	2.50
Weight each, lbs.....	2½	3½	5

**Fig. 113. Brass.**

Code.....	Morichale	Morigerad	Morologo
Size, inches.....	1¼	1½	2
Each.....	\$3.50	4.25	5.00
Weight each, lbs.....	1¼	2¼	4¼



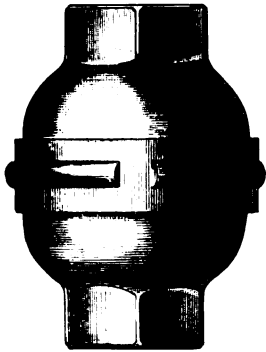


Fig. 198.

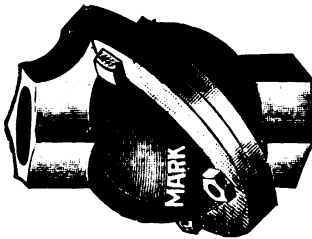


Fig. 580.

## INTERMEDIATE OR VERTICAL CHECK VALVES.

Fig. 198. Iron.

These Valves may be placed at any point in the suction pipe for sustaining the column of water.

Code.....	Morondang	Morphetic
Size, inches.....	1¼	1½
Each .....	\$1.75	2.00
Weight each, lbs.....	1¼	2¼

## HORIZONTAL CHECK VALVES.

Fig. 530. Iron.

Code.....	Morphode	Morrimalt	Morsicato
Size, inches.....	1¼	1½	2
Each .....	\$1.50	2.00	2.75
Weight each, lbs.....	1¼	2¼	3¼

## BEADED PUMP ROD COUPLINGS.

MALLEABLE. FOR IRON RODS.

To insure straightness these Couplings are bored completely through before tapping.

### Black Iron.

Code.....	Mortorada	Mortifico	Mortised
Size rod, inch.....	¾	7/16	½
Threads per inch.....	14	12	12
Each .....	\$0.10	.10	.15

### Galvanized.

Code.....	Mortones	Mortuoso	Moscadere
Size rod, inch.....	¾	7/16	½
Threads per inch.....	14	12	12
Each.....	\$0.15	.15	.20

## GALVANIZED PUMP RODS.

Code.....	Moscatell	Mosequin	Moslemite
Diameter, inch.....	¾	7/16	½
Per pound.....	\$0.15	.15	.15
Weight per 100 feet, lbs.....	38	63	88

Lengths, 16 feet each.

## AIR BARRELS.

Fig. 98. With Offset.

Right and left hand thread in coupling nut. May be screwed on the discharge of any of our Force Pumps.

### With Offset, as Shown.

Code.....	Mosqueam	Mosquillo	Mostenor
Numbers.....	2	8	4
Each .....	\$3.00	3.00	4.50
Weight each, lbs.....	12	.....	14
Code.....	Mostrator	Mostrenca	
Numbers.....	5	6	
Each.....	\$6.00	6.50	
Weight each, lbs.....	.....	.....	

### Without Offset.

Code.....	Motabilus	Motandoro	Motaverim	Mothnull	Motilaria
Numbers.....	2	8	4	5	6
Each.....	\$2 00	2.00	3.50	5.00	5.50
Weight each, lbs.....	.....	.....	.....	.....	.....



## AIR BARRELS WITH COCKS.

### IRON. THREADED FOR HOSE.

Code.....	Motivado	Mouchard	Moucheta	Mouldere
Numbers.....	8	4	5	6
Each.....	\$5.25	7.00	9.50	10.50
Weight each, lbs...	.....	.....	.....	.....



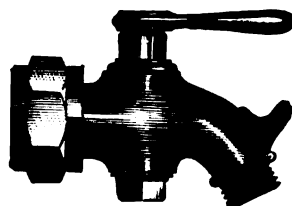
## PUMP COCKS.

### IRON. WITH BRASS PLUGS

Fig. 216. Threaded to Attach Hose.

They are arranged to fit Air Barrels, as shown above.

Code.....	Moulinat	Mountlet	Mouradet	Mourgone
Numbers .....	8	4	5	6
Each .....	\$2.25	2.50	3.50	4.00
Weight each, lbs...	.....	.....	.....	.....

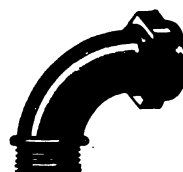


## GOOSE NECKS.

Fig. 76.

Quarter Turn Goose Neck and Coupling suitable for various styles of Force Pumps. End threaded for hose coupling.

Code.....	Mouriscot	Moutasine	Moutchin	Movedoras
Numbers.....	8	4	5	6
Each.....	\$0.40	.50	.60	.60
Wt. each, lbs.....	.....	.....	.....	.....



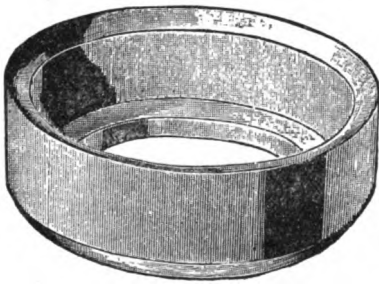
## SPECIAL GOOSE NECKS.



FIGURE 23.

Goose Neck and Coupling suitable for applying to various patterns of our pumps to adapt them for discharging into a pail or other vessel when used as a suction pump. End threaded for hose coupling.

Code..... Movilandi  
Number..... 8  
Each..... \$0.50



## H. M. & S. CUP LEATHERS.

BEST QUALITY OAK-TANNED LEATHER. UNIFORM

DIAMETER AND THICKNESS.

Code.....	Moxaman	Mozambro	Mozuelar	Mubarkit
Diameter, inches...	1½	1¾	2	2¼
Each.....	\$0.12	.12	.12	.14

Code .....	Mucapord	Mucedina	Mucharos	Mucilento	Mucksent	Mucorine	Mucroinbo	Muculenti
Diameter, inches .....	2½	2¾	3	3¼	3½	3¾	4	4¼
Each.....	\$0.16	.18	.20	.25	.30	.33	.35	.40

Code .....	Mudaros	Muermost	Muertone	Muffelon	Mugient	Mugilamo	Muginabe	Mugolava
Diameter, inches .....	4½	5	5½	6	6½	7	7½	8
Each.....	\$0.45	.50	.60	.75	.90	1.00	1.20	1.40

Code .....	Mulaggin	Mulambest	Mulattier	Mulcabere	Mulcavist	Mulgaribo	Mulieram	Mulieroso
Diameter, inches .....	8½	9	9½	10	10½	11	11½	12
Each.....	\$1.60	1.80	2.00	2.20	2.40	2.60	2.80	3.00

## PLUNGER AND BOTTOM VALVE LEATHERS.

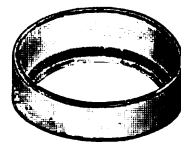


Bottom Valve Leather.

For prices see page 973.



Flat Plunger Leather.



Crimped Plunger Leather.

DEEP WELL SCREW

COUPLINGS.

BRASS.

Code.....	Mullion	Mulomedi	Mulseram	Multadom
Size, inches.....	3	4	5	6
Per pair.....	\$3.50	4.00	6.00	8.00
Wt. per pair, lbs...	.....	.....	.....	.....



H. M. & S. PUMP FLANGES.

GALVANIZED. FOR SHEET IRON PIPES.

Narrow Flange.

Code.....	Multavera	Multicoda	Multifaces	Multiford
Inches.....	3	4	5	6
Outside diameter, inches	5 1/4	6 3/4	7 3/4	8 3/4
Inside diameter, inches	3 1/16	4 1/16	5 1/2	6 3/8
Number of bolt holes...	4	4	5	6
Per pound.....	\$0.25	.25	.25	.25
Wt. per pair, lbs..	4 1/2	5 1/2	7 1/2	9 1/2

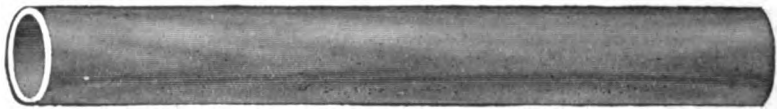


Wide Flange.

Code.....	Multinubo	Multiradis
Inches.....	8W	4W
Outside diameter, inches.....	6 3/4	7 3/4
Inside diameter, inches.....	3 3/4	4 1/4
Number of bolt holes.....	4	4
Per pound.....	\$0.25	.25
Weight per pair, lbs.....	6 1/2	8 1/2

SEAMLESS BRASS TUBING.

FOR PUMP CYLINDERS, ETC.



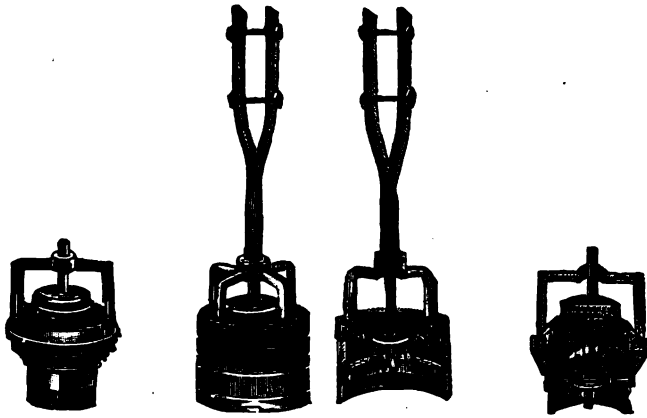
Code.....	Munator	Mundane	Mundavist	Mundensor	Mundferth	Mundivago	Mundrand	Mundspal
Outside diameter, inches.....	3	3	3	3	4	4	4	4
Stubs' gauge numbers.....	14	16	18	20	14	16	18	20
Weight per foot, lbs.....	2.80	2.20	1.67	1.20	3.76	2.96	2.24	1.60
Per pound.....	\$.....	.....	.....	.....	.....	.....	.....	.....

In lengths of 12 and 18 feet.

Cut any desired length to order. Add for cutting lengths per pound \$.....

**HIRTH IMPROVED LIFT PUMP VALVES.**

BRASS.



Constructed entirely of Brass excepting the Forked Rod. Have large waterways, perfect guides and revolving poppet motion.

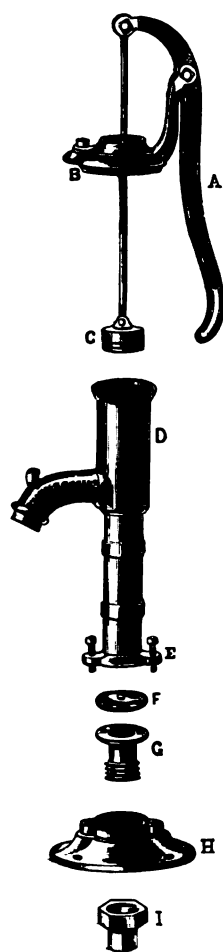
Lower Valve tapped at bottom for Iron Pipe with large brass nut to disconnect from tube, saving the inconvenience of disconnecting rusted bolts.

Code.....	Munduale	Munerando	Munerate	Mungerem
Size, inches.....	<b>8</b>	<b>4</b>	<b>5</b>	<b>6</b>
Per pair.....	<b>\$7.00</b>	<b>9.00</b>	<b>16.00</b>	<b>22.50</b>
Weight per pair, lbs.....	.....	.....	.....	.....

## SECTIONAL VIEWS OF CISTERN AND PITCHER PUMPS.

FOR FACILITATING ORDERING REPAIRS.

### Description of Parts.



A — Brake.

B — Stand.

C — Piston and Rod.

D — Cylinder.

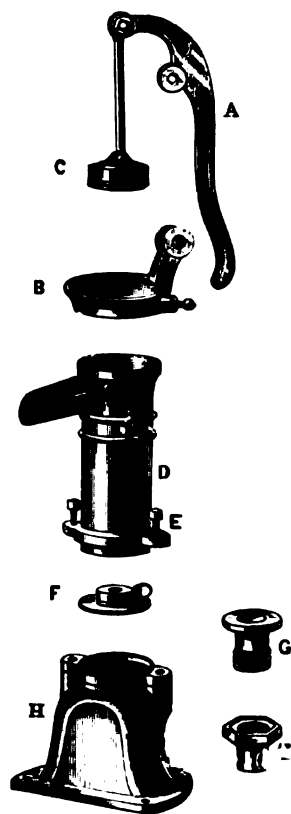
E — Base Set Screws.

F — Valve (complete).

G — Brass Valve Seat.

H — Flange.

I — Coupling and Solder Nipple and Tube.



When ordering parts of our Pumps it will prevent mistakes if the terms we give are used.

See following pages for prices of repairs.

## PRICE LIST FOR PARTS OF PUMPS.

In ordering repairs refer to sectional cuts of Pumps on page 968.

In telegraphing for Pump Repairs a great many words may be saved by using the code word for the style and number of Pump for which the parts are wanted, added to the name of repair and preceded by word from code in front of this book.

EXAMPLE:—Crocifere Base Milchpump.

TRANSLATION:—Ship by Express immediately Base for Number three Figure 264 Pump.

### BARRELS, AIR.

Numbers.....	.....	2	4	6
Figure 246.....	Each, \$3.00	.....	.....	.....
" 882.....	" 3.50	3.50	4.00	5.00
" 407.....	" 3.50	.....	.....	.....

### BARS, FULCRUM.

For all sizes and styles.....Each, \$0.50

### BARS, SHACKLE.

Numbers.....	.....	2	8	4	6
Figures 12, 91, 157.....	Each, \$0.25	.28	.30	.40	

### BASES OR FLANGES.

Numbers.....	.....	0	1	2	3	4	5	6
Figures 1, 264.....	Each, \$.80	1.00	1.15	1.30	1.50	1.75	2.00	
" 120, 272, all iron.....	" 1.00	1.25	1.40	1.60	.....	3.25		
" 12, 91, 157.....	" 1.00	.....	.75	.90	1.15	.....	1.50	
" 146.....	" 1.00	.....	.....	.....	.....	.....	.....	
" 209.....	" 1.15	1.75	2.25	.....	.....	.....	.....	
" 211, old style.....	" 1.75	.....	1.75	.....	.....	.....	.....	
" 219.....	" 1.75	.....	1.75	.....	.....	.....	.....	
" 246.....	" 1.75	.....	.....	.....	.....	.....	.....	
" 882.....	" 2.00	.....	2.00	.....	2.00	.....	2.50	
" 407.....	" 2.00	.....	.....	.....	.....	.....	.....	

### BOLTS, BRAKE.

For all sizes Cistern and Pitcher Pumps.....Each, \$0.08

### BOTTOMS ONLY FOR PISTONS.

Numbers.....	.....	0	1	2	3	4	5	6	8	10
Figures 1, 264.....	Each, \$0.30	.35	.35	.40	.45	.50	.60	.75	.90	
" 120.....	" .35	.45	.60	.70	.80	1.00	.....	.....	.....	

### BOXES, IRON STUFFING, WITH BRASS CLANDS.

Numbers.....	.....	0	1	2	3	4	5	6
Figures 12, 91, 157.....	Each, \$.75	1.00	1.35	1.50	1.60	.....	2.00	
" 209.....	" 1.00	.....	1.25	.....	.....	.....	.....	
" 246.....	" 1.00	.....	.....	.....	.....	.....	.....	

## Price List for Parts of Pumps—Continued.

**BRACES FOR DEEP WELL STANDARDS.**

Numbers.....	.....	2
Figures 211, 219.....	Each, \$.....	.50
" 246, 407, 408.....	" .....	.50

**BRAKES OR HANDLES.**

Numbers.....	.....	0	1	2	3	4	5	6	8	10
Figures 1, 264.....	Each, \$.....	.45	.50	.55	.70	.85	1.00	1.25	.....	.....
" 3, 69, 153.....	" .....	.....	.90	1.00	1.10	1.25	1.25	1.60	.....	.....
" 12, 91, 157.....	" .....	.....	.60	.75	.90	1.10	.....	1.60	.....	.....
" 26, 66, 67, 283, 284 .....	" .....	.....	.90	1.00	1.10	1.25	1.25	1.60	3.75	4.25
" 120, 272.....	" .....	.....	.50	.50	.70	.70	1.00	1.25	.....	.....
" 158.....	" .....	.55	.....	.....	.....	.....	.....	.....	.....	.....
" 209.....	" .....	1.12	1.50	1.87	.....	.....	.....	.....	.....	.....
" 211.....	" .....	.....	.....	1.25	.....	.....	.....	.....	.....	.....
" 219, 246.....	" 1.50	.....	.....	.....	.....	.....	.....	.....	.....	.....
" 288.....	" .....	.....	.....	.....	1.35	1.50	.....	2.00	.....	.....
" 286.....	" .....	.....	.....	.....	.....	1.25	.....	.....	.....	.....
" 320.....	" .....	.....	.....	.....	.....	1.50	.....	.....	.....	.....
" 382, 6-inch stroke.....	" .....	.....	.....	1.50	.....	1.50	.....	2.00	.....	.....
" 407, 6-inch stroke.....	" 2.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
" 408.....	" 1.50	.....	.....	.....	.....	.....	.....	.....	.....	.....

**CAPS, LOWER CYLINDER.**

See "Iron Valve Seats."

**CAPS, DISCHARGE, IRON.**

Numbers.....	.....	1	2	3	4	5	6	8	10
Figures 3, 12, 69, 91, 153, 157.....	Each, \$.....	.80	.80	.80	.90	1.00	1.15	.....	.....
" 26, 66, 67, 283, 284.....	" .....	.70	.80	.80	.90	1.10	1.40	2.00	2.50
" 288.....	" .....	.....	.....	.80	.90	.....	1.15	.....	.....
" 286.....	" .....	.....	.....	.80	.....	.....	.....	.....	.....

**CAPS, TOP WITH AIR PLUG.**

Numbers.....	.....	0	1	2
Figure 209.....	Each, \$.....	\$1.00	1.25	1.40

**CAPS, FOR SPOUT.**

Numbers.....	.....	0	1	2
Figure 209.....	Each, \$.....	\$0.20	.25	.30

**CAPS, VALVE.**

Number.....	.....	4
Figures 284, 320.....	Each, \$.....	\$2.00

**CHAMBERS, AIR.**

See "Air Barrels."



## Price List for Parts of Pumps—Continued.

**CLAMPS, BASE.**

Numbers.....	0	1	2	3	4	5	6
Figures 209, 211, 264.....Each, \$.....	10	.10	.10	.10	.12½	.12½	.12½
" 219.....	.....	.....	.12½	.....	.....	.....	.....
" 246.....	.12½	.....	.....	.....	.....	.....	.....

**CONNECTIONS, ROD.**

Figures 246, 382.....	Each, \$0.50
" 407, 408.....	" .50

**CONNECTIONS, WINDMILL, WITH PINS.**

Numbers.....	2	4	6
Figure 407.....Each, \$1.10	.....	.....	.....
" 382.....	1 10	1 10	1 10

**COUPLINGS WITH THREADED BRASS TUBES.**

Numbers.....	0	1	2	3	4	5	6	8	10
Figures 1, 264.....Each, \$.67	.67	.67	.75	.75	1.05	1.10	1.45	.....	.....
" 8, 12, 26, 66, 67, 69 } ".....	.....	.67	.75	.75	1.05	1.10	1.45	1.50	2.00
" 90, 91, 153, 157, 233 } ".....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" 246.....	.75	.....	.....	.....	.....	.....	.....	.....	.....
" 233.....	.....	.....	.....	.75	1.05	.....	1.45	.....	.....
" 286.....	.....	.....	.....	.....	1.05	.....	.....	.....	.....

**COUPLINGS, IRON.**

Numbers.....	0	1	2	3	4	5	6
Figure 120.....Each, \$.30	.30	.35	.35	.45	.60	.70	.....
" 209.....	.30	.35	.60	.....	.....	.....	.....

**COUPLINGS, RIGHT AND LEFT, FOR AIR BARRELS.**

Numbers.....	1	2	3	4	5	6	8	10
All Styles of Pumps.....Each, \$0.40	.45	.45	.50	.60	.60	.75	1.00	.....

**COUPLINGS FOR IRON COCKS.**

Figure 216.....	Each, \$0.50
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**CYLINDERS.**

Numbers.....	0	1	2	3	4	5	6	8	10
Figures 1, 264.....Each, \$1.25	1.50	1.75	2.00	2.50	3.00	3.50	.....	.....	.....
" 3, 69, 153, iron.....	.....	.....	4.00	4.25	4.50	5.00	.....	.....	.....
" 3, 90, brass.....	.....	.....	9.00	.....	.....	20.00	.....	.....	.....
" 12, 91, 157, iron.....	.....	.....	3.50	3.75	4.25	6.00	.....	.....	.....
" 26, 66, 233, ".....	.....	4.00	5.50	6.00	6.50	8.00	8.50	11.00	15.00
" 67, ".....	.....	.....	5.50	6.00	.....	.....	.....	.....	.....
" 120, 272, ".....	.....	1.50	1.75	2.00	2.50	.....	3.50	.....	.....
" 209, ".....	4.00	6.00	8.00	.....	.....	.....	.....	.....	.....
" 234, ".....	.....	.....	.....	.....	8.50	.....	.....	.....	.....
" 233, ".....	.....	.....	.....	3.75	4.25	.....	6.00	.....	.....
" 286, ".....	.....	.....	.....	.....	6.50	.....	.....	.....	.....
" 320, ".....	.....	.....	.....	.....	6.50	.....	.....	.....	.....
" 382, ".....	.....	.....	5.00	.....	5.50	.....	7.00	.....	.....

## Price List for Parts of Pumps—Continued.

**CYLINDERS, UPPER.**

Numbers.....	.....	.....	2
Figures 211, 219.....	Each, \$.....	4.00	4.00
" 246.....	" 4.00	.....	.....
" 407.....	" 5.25	.....	.....

**FLANGES, INTERMEDIATE.**

Inches.....	.....	1½	1½	2
Figure 407.....	Each, \$0.50	.50	.60	.60

**GLANDS, BRASS.**

Numbers.....	.....	0	1	2	3	4	5	6	8	10
Figures 8, 12, 26, 66, 67, 69, }.....	Each, \$.....	.50	.50	.60	.60	.60	.75	.85	1.00	1.00
91, 158, 157, 288, 284 }.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" 209.....	" 0.85	.50	.60	.75	.....	.....	.....	.....	.....	.....
" 246.....	"	.....	.....	.....	.60	.60	.....	.85	.....	.....
" 288.....	"	.....	.....	.....	.60	.60	.....	.....	.....	.....
" 286.....	"	.....	.....	.....	.75	.75	.....	1.00	.....	.....
" 882.....	"	.85	.....	.....	.....	.....	.....	.....	.....	.....
" 407.....	"	.75	.....	.....	.....	.....	.....	.....	.....	.....
" 427.....	"	.....	.....	.....	.....	.....	.....	.....	.....	.....

**GUIDES, PISTON ROD.**

Numbers.....	.....	1	2	3	4	5	6	8	10
Figures 8, 69, 90, 158.....	Each, \$.....	.30	.35	.40	.45	.60	.....	.....	.....
" 26, 66, 67, 288, 284.....	"	.37	.40	.45	.50	.55	.62	1.00	1.25
" 246, 407.....	" .25	.....	.....	.....	.....	.....	.....	.....	.....
" 288.....	"	.....	.....	.25	.25	.....	.25	.....	.....

**HANDLES.**

See "Brakes."

**HANDLES FOR COCKS.**

All styles.....	.....	Each, \$0.20
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**HEADS, CYLINDER, IRON, WITH BRASS GLANDS.**

Numbers.....	.....	1	2	3	4	5	6	8	10
Figures 8, 69, 158.....	Each, \$.....	1.35	1.50	1.60	1.85	.....	.....	.....	.....
" 12, 91, 157.....	"	1.35	1.50	1.60	.....	2.00	.....	.....	.....
" 26, 66, 67, 288, 284.....	"	1.15	1.35	1.50	1.60	1.85	2.00	2.25	2.75
" 246.....	" 1.50	.....	.....	.....	.....	.....	.....	.....	.....
" 288.....	"	.....	.....	1.50	1.60	.....	2.00	.....	.....
" 286.....	"	.....	.....	.....	1.60	.....	.....	.....	.....

## Price List for Parts of Pumps—Continued.

**HEADS, CYLINDER, IRON, WITHOUT BRASS GLANDS.**

Numbers.....		1	2	3	4	5	6	8	10
Figures 8, 69, 153.....	Each, \$.....	.....	.75	.90	1.00	1.10	.....	.....	.....
" 12, 91, 157.....	".....	.....	.75	.90	1.00	.....	1.15	.....	.....
" 26, 66, 67, 233, 234..	".....	.65	.75	.90	1.00	1.10	1.15	1.25	1.75
" 246.....	".....	.65	.....	.....	.....	.....	.....	.....	.....
" 283.....	".....	.....	.....	.90	1.00	.....	1.15	.....	.....
" 286.....	".....	.....	.....	.....	1.00	.....	.....	.....	.....

**HOODS.**

See "Shell Guide Stands."

**IRONS, PLUNCER.**

Number .....	.....	4
Figure 284.....	Per set, \$1.10	

**LEATHERS, VALVE.**

Single Leathers for Either Piston or Valve.

Numbers.....		0	1	2	3	4	5	6	8	10
Figures 1, 264, flat.....	Each, \$0.11	.11	.11	.11	.11	.11	.15	.15	.20	.20
" 1, 264, crimped.....	".....	.....	.16	.18	.20	.25	.30	.....	.....	.....
" 120, 272.....	".....	.11	.11	.11	.15	.20	.30	.....	.....	.....
" 3, 12, 69, 91, 153, 157....	".....	.11	.11	.11	.11	.15	.15	.....	.....	.....
" 209.....	".....	.11	.15	.20	.....	.....	.....	.....	.....	.....
" 283.....	".....	.....	.....	.....	.11	.11	.....	.15	.....	.....

**LEATHERS, VALVE.**

Complete Sets, Piston and Valve Leathers.

Numbers.....		0	1	2	3	4	5	6	8	10
Figures 1, 264.....	Per set, \$0.22	.22	.22	.22	.22	.22	.30	.30	.40	.40
" 120, 272.....	".....	.22	.22	.22	.30	.40	.60	.....	.....	.....
" 3, 12, 69, 91, 153, 157....	".....	.....	.33	.33	.33	.45	.45	.....	.....	.....
" 26, 66, 67, 233, 234.....	".....	.....	.56	.68	.80	.95	1.15	1.30	1.60	2.00
" 209.....	".....	.22	.30	.40	.....	.....	.....	.....	.....	.....
" 283.....	".....	.....	.....	.....	.33	.33	.....	.45	.....	.....
" 286.....	".....	.....	.....	.....	.....	.95	.....	.....	.....	.....

**LEATHERS, VALVE, SETS FOR PISTONS.**

Numbers.....		1	2	3	4	5	6	8	10
Figures 26, 66, 67, 233, 234.....	Per set, \$0.20	.25	.30	.35	.45	.50	.60	.75	
" 217.....	".....	.....	.....	.....	.....	.....	.....	.....	.....
" 286.....	".....	.....	.....	.....	.35	.....	.....	.....	.....

**LEATHERS, UPPER VALVE.**

Numbers.....		1	2	3	4	5	6	8	10
Figures 26, 66, 67, 233, 234.....	Each, \$0.16	.18	.20	.25	.30	.35	.40	.50	
" 882.....	".....	.15	.....	.20	.....	.25	.30	.....	.....

## Price List for Parts of Pumps—Continued.

**LEATHERS, LOWER VALVE.**

Numbers.....	1	2	3	4	5	6	8	10
Figures 26, 66, 67, 288, 284.....Each,	\$0.20	.25	.30	.35	.40	.45	.60	.75
" 882....."	.....	.20	.....	.20	.....	.30	.40	.....

**LINKS, FULCRUM.**

Numbers.....	2	3	4	5	6
Figure 246.....Each,	\$0.50	.....	.....	.....	.....
" 882....."	.50	.....	.50	.....	.50

**NIPPLES FOR SPOUT.**

Numbers.....	0	1	2
Figure 209.....Each,	\$0.25	.30	.40

**OFFSET, DISCHARGE FOR AIR BARRELS.**

Numbers.....	1	2	3	4	5	6	8	10
Figures 66, 69, 158, 288.....Each,	\$0.80	.90	.90	1.00	1.10	1.20	1.50	2.00

**PISTONS OR PLUNGERS ONLY.**

Numbers.....	0	1	2	3	4	5	6	8	10
Figures 1, 120, 264.....Each,	\$0.52	.60	.75	.90	1.00	1.25	1.50	.....	.....
" 8, 12, 69, 90, 91, 158, 157....."	.....	.....	.75	.90	1.00	1.25	1.50	.....	.....
" 26, 66, 67, 288, 284....."	.....	.75	.90	1.05	1.20	1.50	1.70	2.00	2.60
" 209....."	1.25	1.65	2.15	.....	.....	.....	.....	.....	.....
" 288, 882....."	.....	.....	.75	.90	1.00	.....	1.50	.....	.....
" 286, 820....."	.....	.....	.90	1.05	1.20	.....	1.70	.....	.....

**PISTONS OR PLUNGERS AND RODS.**

Numbers.....	0	1	2	3	4	5	6
Figures 1, 264.....Each,	\$.....	.67	.75	.90	1.10	1.25	1.50
" 120, 272....."	.....	.....	.75	.90	1.05	1.15	1.45
" 209....."	.....	1.40	1.85	2.45	.....	.....	.....
" 848....."	2.70	.....	.....	.....	.....	.....	.....

**PLUGS, VENT, BRASS.**

All Styles of Pumps.....Each, \$0.15

**PLUGS, BOTTOM.**

Numbers.....	0	1	2	3	4
Figure 284.....Each,	\$.....	.....	.....	.....	1.00

## Price List for Parts of Pumps—Continued.

**RODS, PISTON, BRASS.**

Numbers.....	1	2	3	4	5	6	8	10
<b>Figures 8, 69, 90, 153.....</b>	Each, \$.....	1.60	1.75	2.00	2.50	3.25	.....	.....
“ 12, 91, 157.....	“ .....	1.40	1.50	1.75	.....	2.50	.....	.....
“ 26, 66, 67, 233, 234.....	“ .....	1.65	1.75	1.90	2.25	2.75	3.50	5.50
“ 882, 6-inch stroke.....	“ .....	2.00	.....	2.25	.....	3.00	.....	.....

**RODS, PISTON, IRON.**

Numbers.....	8	4	5	6
<b>Figure 288.....</b>	Each, \$1.00	1.00	.....	1.50
“ 286.....	“ .....	1.00	.....	.....

**RODS, PISTON.**

Numbers.....	2	3	4	5	6
<b>Figure 407, brass covered.....</b>	Each, \$1.50	.....	.....	.....	.....
“ 246, iron, short.....	“ 1.00	.....	.....	.....	.....
“ 246, iron, complete.....	“ 2.50	.....	.....	.....	.....
“ 882, iron, flat, with coupling, 6-inch stroke.....	“ .....	1.00	.....	1.00	1.00

**RODS, FORKED.**

Numbers.....	1	2	3	4	5	6	8	10
<b>Figures 8, 26, 66, 67, 69, 153, 233, 234.....</b>	Each, \$1.00	1.25	1.25	1.50	1.75	1.75	2.00	4.00

**SCREWS, SET, BASE.**

For all sizes Cistern and Pitcher Pumps.....Each, \$0.08

**SCREWS, SET, FULCRUM.**

For all sizes of Pumps.....Each, \$0.08

**SEATS, VALVE, BRASS.**

Numbers.....	0	1	2	3	4	5	6	8	10
<b>Figures 12, 91, 157.....</b>	Each, \$.....	.....	.75	.85	.95	.....	1.20	.....	.....
“ 120, 272.....	“ .....	.75	.95	1.20	1.50	.....	2.50	.....	.....
“ 264.....	“ .55	.65	.75	.85	.95	1.05	1.20	.....	.....
“ 283.....	“ .....	.....	.....	.85	.95	.....	1.20	.....	.....

**SEATS, VALVE, IRON, OR BOTTOM CYLINDER CAPS.**

Numbers.....	0	1	2	3	4	5	6	8	10
<b>Figures 8, 69, 90, 153.....</b>	Each, \$.....	.....	.80	.85	.95	1.10	.....	.....	.....
“ 67.....	.....	.....	.....	.90	.....	.....	.....	.....	.....
“ 26, 66, 233.....	.....	.90	1.00	1.20	1.35	1.67	2.00	2.75	3.75
“ 286.....	.....	.....	.....	.....	1.35	.....	.....	.....	.....

## Price List for Parts of Pumps—Continued.

**SECTIONS, IRON SPOUT, FOR BRASS CYLINDER PUMPS.**

Numbers .....	2	3	4	5	6
Figure 882 .....	Each, \$2.75	.....	3.50	.....	4.50

**SHAFTS, ROCKER.**

Numbers .....	0	1	2
Figure 209 .....	Each, \$1.00	1.25	1.50

**STANDS OR FULCRUMS.**

Numbers .....	0	1	2	3	4	5	6	8	10
Figures 1, 264.....	Each, \$.50	.55	.60	.80	.90	1.10	1.30	.....	.....
" 3, 69, 90, 153.....	"	.....	.75	.85	1.00	1.00	1.30	.....	.....
" 12, 91, 157.....	"	.....	1.00	1.25	1.50	.....	2.50	.....	.....
" 26, 66, 67, 233, 234	"	.....	.60	.70	.80	1.35	1.50	2.50	3.50
" 120.....	"	.....	.40	.50	.60	.70	1.00	.....	.....
" 158.....	"	.60	.....	.....	.....	.....	.....	.....	.....
" 211.....	"	.....	1.00	.....	.....	.....	.....	.....	.....
" 219.....	"	.....	2.50	.....	.....	.....	.....	.....	.....
" 246.....	"	2.50	.....	.....	.....	.....	.....	.....	.....
" 272.....	"	.....	.60	.70	.90	.....	.....	.....	.....
" 283.....	"	.....	.....	2.00	2.25	.....	2.50	.....	.....
" 382.....	"	.....	2.75	.....	2.75	.....	3.50	.....	.....
" 407.....	"	2.75	.....	.....	.....	.....	.....	.....	.....
" 408.....	"	2.75	.....	.....	.....	.....	.....	.....	.....

**STANDS, SHELL, GUIDE.**

Numbers .....	2	3	4	6
Figures 219.....	Each, \$.2.50	2.50	.....	.....
" 246.....	"	2.50	.....	.....
" 283.....	"	.....	2.00	2.25
" 286, 6-inch stroke.....	"	.....	2.00	.....
" 382.....	"	2.75	.....	2.75
" 407.....	"	2.75	.....	.....
" 408.....	"	2.75	.....	.....

**VALVES, TOP.**

Numbers .....	1	2	3	4	5	6	8	10
Figures 3, 12, 69, 91, 153, 157.....	Each, \$.46	.26	.26	.35	.35	.45	.....	.....
" 26, 66, 67, 233, 234.....	"	.48	.50	.55	.65	.70	.75	.85
" 283.....	"	.....	.....	.35	.....	.....	.....	.....
" 286.....	"	.....	.....	.55	.....	.....	.....	.....

**VALVES, BOTTOM.**

Numbers .....	0	1	2	3	4	5	6	8	10
Figures 1, 264.....	Each, \$.26	.26	.26	.26	.26	.35	.35	.....	.....
" 120, 272.....	"	.26	.26	.26	.30	.40	.50	.....	.....
" 3, 12, 69, 91, 153, 157	"	.....	.26	.26	.26	.35	.35	.....	.....
" 26, 66, 67, 233, 234..	"	.....	.50	.55	.60	.70	.75	.80	1.10
" 209.....	"	.26	.30	.40	.....	.....	.....	.....	.....
" 259, with strainer.....	"	1.00	.....	.....	.....	.....	.....	.....	.....
" 283.....	"	.....	.....	.26	.30	.....	.50	.....	.....
" 286.....	"	.....	.....	.....	.70	.....	.....	.....	.....
" 382.....	"	.....	.....	.35	.35	.....	.45	.....	.....

## Price List for Parts of Pumps—Continued.

**VALVES, POPPET.**

Number.....	4
Figures 284, 320.....	Each, \$0.60

**VALVES, POPPET, IRON, FOR PISTON OR PLUNCER.**

Numbers.....	0	1	2	3	4	5	6
Figures 1, 264.....	Each, \$0.12	.12	.16	.20	.25	.30	.38
" 3, 12, 69, 91, 158, 157.....	"	"	.16	.20	.25	.30	.38
" 120, 272.....	"	.10	.12½	.15	.18	.....	.30

**WEIGHTS AND SCREWS, VALVE.**

For all sizes of Pumps.....	Each, \$0.15
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**PARTS FOR ACME DIAPHRAGM PUMPS.**

Figures 876 and 881, No. 2.

Base, Fig. 376.....	Each, \$ 8.00
Base Fig. 381.....	" 10.00
Bridge.....	" 1.15
Coupling and Tube Brass.....	" 3.75
Gasket, Upper.....	" .25
Gasket, Lower.....	" .20
Ring Iron, Upper.....	" .80
Ring Iron, Lower.....	" 1.00
Socket to Handle.....	" 1.00
Strainer Hose, Galvanized.....	" 2.70
Top Casting.....	" 5.50
Valve, Upper.....	" 1.25
Valve, Lower.....	" 1 00

**PARTS FOR HORIZONTAL DOUBLE ACTING PUMPS.**

Figures 286, 257, 292.

Size, inches.....	2½	3	4	5	6
Barrels or Chambers, Air.....	Each, \$2.50	3.00	3.50	4 00	5.00
Bars, Brake.....	" 1.00	1.50	1.50	1.50	2.50
Bars, Shackle.....	" .75	.80	.90	1.00	.....
Brakes or Handles.....	" 3.00	4.00	4.00	4.00	5.00
Couplings and Goose Necks, Fig. 236 only.....	" 1.50	2.00	.....	.....	.....
Cylinders.....	" 11.00	12.00	13 00	17.00	25.00
Glands, Brass.....	" .75	.75	1.25	1.25	2.00
Heads, Front, with Stuffing Box.....	" 1.50	1.75	2.50	3.00	4.25
Heads, Back, with Stuffing Box.....	" .75	1.00	1.25	1.75	2.25
Leathers, Valve, for Piston, old style.....	Per set, .25	.35	.60	.95	1.10
Leathers, Valve, Poppet.....	Each, .11	.11	.11	.....	.....
Leathers, Valve, Upper.....	" .30	.40	.60	.75	.90
Leathers, Valve, Lower.....	" .35	.45	.70	.85	1.00
Linings, Brass.....	" 2.50	3.00	4.00	5.00	6.00
Pistons or Plungers with Rings and Springs.....	" 4.50	5.25	6.00	10.00	12.00
Plates, Valve.....	" 2.50	4.00	5.00	5.00	6.00
Rings, Brass Spring for Plungers.....	Per set (2) 2.50	3.00	3.50	4.00	6.00
Rods, Piston, Brass, Figs. 236, 292.....	Each, 2.00	2.25	3.25	4.75	6.25
Rods, Piston, Brass, Fig. 257.....	"	.....	6.00	8.00	9.00
Valves, Poppet.....	" .50	.60	.75	3.25	4.00
Valves Poppet, Brass metal.....	" 1.00	1.25	1.50	3.25	4.00

## Price List for Parts of Pumps—Continued.

**PARTS FOR AQUARIUS PUMPS.**

Figure 80.

Air Barrel and Stuffing Box.....	Each,	\$1.50
Brass Cylinder.....	"	2.50
Handles.....	"	.50
Foot Piece.....	"	1.00
Discharge Hose and Pipe, complete.....	"	2.00
Suction Hose, complete.....	"	1.00
Brass Discharge Pipe, complete.....	"	.75
Piston and Rod.....	"	.75
Sprinkler to Fig. 259.....	"	.25

**PARTS FOR EXCELSIOR PUMPS.**

Numbers .....	1	2	3
Cylinders, Iron .....	Each, \$10.25	12.25	23.00
Cylinders, Copper-lined .....	" 16.00	18.00	.....
Caps, Cylinder, with Brass Gland.....	" 2.00	2.25	5.00
Caps, Cylinder, without Brass Gland.....	" 1.25	1.50	3.50
Caps, Valve.....	" 1.00	1.00	1.75
Chambers, Air.....	" 4.50	5.00	11.00
Covers, Valve.....	" 1.00	1.00	1.75
Couplings, Female, for Hose, 1 and 1¼ inch.....	" .75	.75	.75
Flanges, Suction .....	" 1.25	1.25	2.25
Fulcrums or Links, Mounted Pump .....	" 1.00	1.00	2.00
Fulcrums or Links, Base Pump.....	" 1.00	1.00	2.00
Glands, Brass.....	" .75	1.00	1.50
Guides, Rod.....	" .75	.75	3.50
Heads, Cross .....	" .35	.50	.....
Heads, Cross, for Slide.....	" 1.25	1.50	2.00
Handles.....	" 1.50	1.75	.....
Leathers, Piston.....	" .35	.35	.70
Leathers, Valve .....	" .15	.15	.20
Necks, Goose.....	" 1.00	1.75	.....
Pistons, with Rods and Leathers .....	" 3.15	3.90	12.00
Plungers, Iron .....	Per set, (2) .80	.80	2.00
Rods, Piston, Brass.....	Each, 2.00	2.75	.....
Slides for Cross Heads.....	" 1.60	1.60	3.50
Valves Poppet .....	" .50	.60	1.00

**PARTS FOR HYDRAULIC RAMS.**

Figure 77.

Numbers.....	2	3	4	5	6	7	10
Air Barrels or Chambers.....	Each, \$3.00	3.75	4.50	8.00	15.00	20.00	60.00
Bolts and Nuts, complete .....	Per set, .85	.90	.95	1.00	1.25	2.50	7.00
Bottoms .....	Each, 3.00	3.75	4.50	7.00	13.50	18.00	50.00
Discharge Couplings.....	" .20	.25	.25	.30	.50	.75	1.00
Drive Couplings.....	" .25	.28	.30	.50	1.00	1.25	3.00
Packings for Air Barrels.....	" .20	.25	.30	.35	.50	.90	2.50
Packings for Impetus Valves.....	" .15	.18	.20	.25	.40	.60	1.00
Sets of Packing, complete.....	Per set, .50	.55	.65	.75	1.15	1.75	4.00
Brass Impetus Valves.....	Each, 3.00	4.00	5.00	8.00	15.00	20.00	60.00
Inside Valves, complete.....	" .35	.35	.50	.50	.80	1.00	2.90
Brass Poppet Valves.....	" 1.50	2.00	2.50	3.50	6.00	8.00	20.00



## Price List for Parts of Pumps—Continued.

**PARTS FOR FIGURE 230 DEEP WELL CYLINDERS.****Cast Iron and Drawn Brass Tubes.**

Inches.....	2	2½	2¾	3	3¼	3½	4
Caps, Cylinder Top, Iron.....Each,	\$0.55	.60	.62	.65	.70	.75	.95
“ “ “ “ Brass.....	.....	.....	1.90	2.00	2.10	2.25	2.90
“ “ “ “ Bottom, see “Valve Seats.”	.....	.....	.....	.....	.....	.....	.....
Cylinder Shells, Iron, 10 inches.....	1.12	1.62	1.87	2.00	2.25	2.87	4.00
“ “ “ “ 12 “ .....	.....	.....	.....	2.40	.....	3.40	4.75
“ “ “ “ 14 “ .....	.....	.....	.....	.....	.....	.....	5.50
“ “ “ “ Brass Tube, 12 inches.....	.....	4.50	4.75	5.25	.....	.....	.....
“ “ “ “ 14 “ .....	.....	5.25	5.60	6.25	.....	7.25	10.50
“ “ “ “ 16 “ .....	.....	.....	.....	7.00	.....	8.25	11.00
Leathers, Piston or Plunger.....	.11	.11	.11	.11	.15	.15	.20
“ “ “ “ Bottom Valve .....	.11	.11	.11	.11	.15	.15	.20

**Pistons or Plungers with Galvanized Rod, Threaded for Iron Pipe.**

Inches.....	2	2½	2¾	3	3¼	3½	4
For Iron Cylinder, 10 inches.....Each,	\$0.77	1.00	1.15	1.25	.....	1.85	.....
“ “ “ “ 12 “ .....	.....	.....	.....	1.25	.....	1.85	2.10
“ “ “ “ 14 “ .....	.....	.....	.....	.....	.....	.....	3.55
For Brass Cylinders, with Iron Cap, 12 inches	.....	2.10	2.25	2.40	.....	.....	.....
“ “ “ “ “ “ “ “ 14 “ .....	.....	2.15	.....	2.45	.....	2.90	3.55
“ “ “ “ “ “ “ “ 16 “ .....	.....	.....	.....	2.60	.....	3.15	3.90
For All Brass Cylinders, 12 inches.....	.....	.....	3.15	3.50	.....	4.50	5.50
“ “ “ “ “ “ “ “ 14 “ .....	.....	.....	3.20	3.55	.....	4.50	5.50
“ “ “ “ “ “ “ “ 16 “ .....	.....	.....	.....	4.20	.....	5.15	6.15

**Valves and Valve Seats.**

Inches.....	2	2½	2¾	3	3¼	3½	4
Seats, Valve, or Bottom Cylinder Caps, Iron..Each,	\$0.60	.65	.70	.75	.85	.95	1.20
“ “ “ “ “ “ “ “ Brass .....	.....	.....	2.10	2.25	2.55	2.85	3.60
Valves, Bottom, Iron.....	.26	.26	.26	.26	.30	.35	.45
“ “ “ “ “ “ “ “ Brass.....	.....	.....	.36	.36	.....	.50	.65
“ “ “ “ “ “ “ “ Poppet for Piston, Iron.....	.10	.12	.15	.18	.20	.25	.35
“ “ “ “ “ “ “ “ Brass .....	.....	.....	.45	.55	.....	.75	1.05

Valve Weights and Screws, all sizes, each, \$0.15.

## IXL CALVANIZED STEEL WINDMILL.

IS THE MOST COMPLETE WINDMILL ON EARTH.

Made for Durability and not to satisfy the craze for something "cheap."

The Wheel is made with Double Arms, so that it is impossible to spring it out of shape.

The Rudder is Double Braced with Angle Steel.

The Main Casting is made adjustable so as to take up any wear that may ever come on the cog wheels. This feature alone makes it far superior to all other windmills.

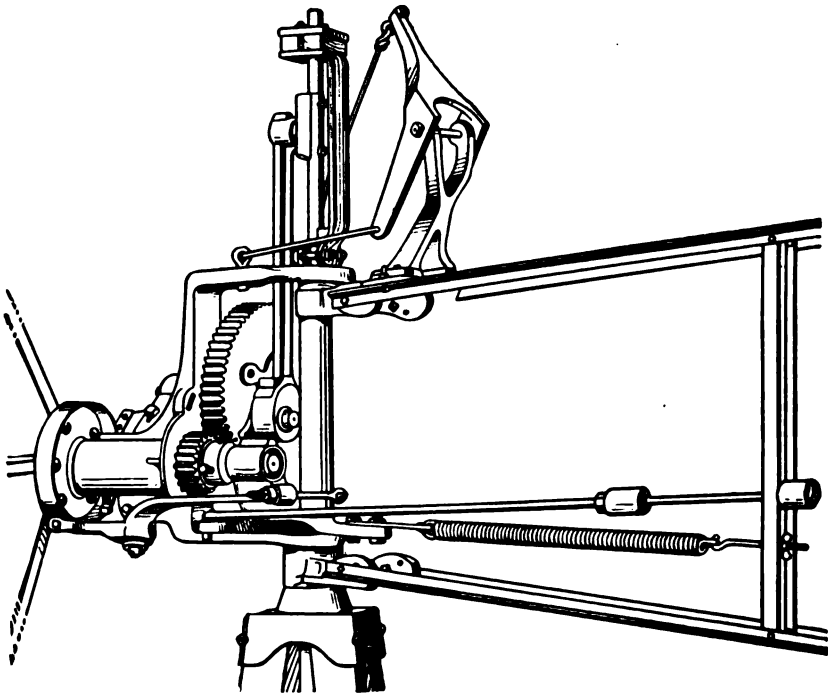
Both Wheel and Rudder are made entirely of steel—no awkward castings to break or retard the motion of the Wheel.

It is made with three different lengths of stroke, making it especially adapted to either cylinder or tubular wells.

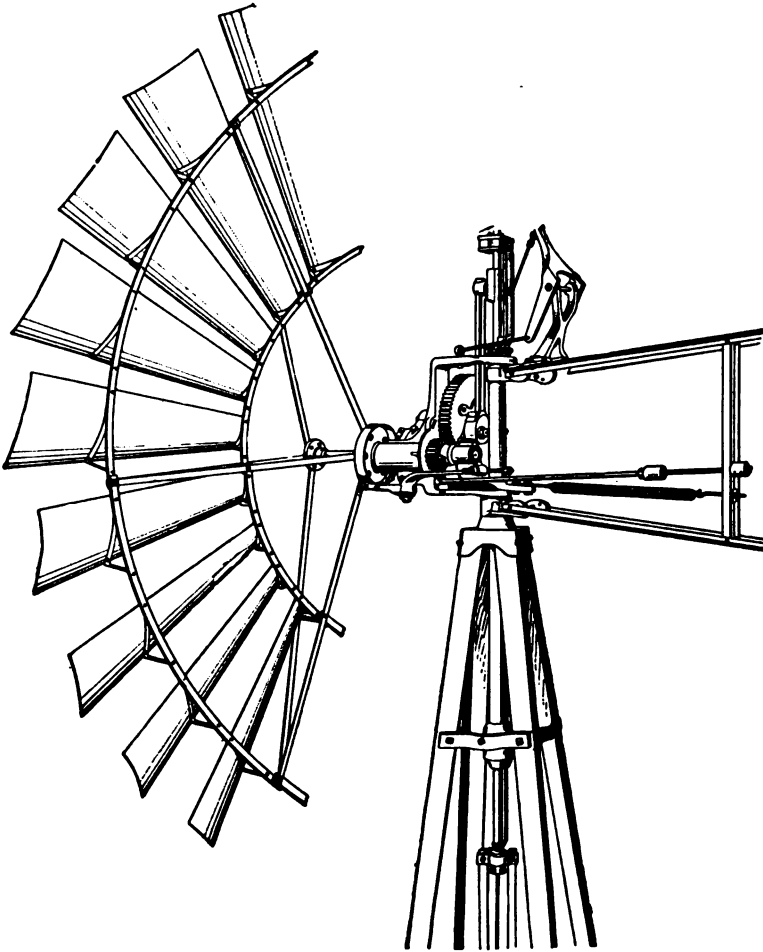
It will not flop out and into gear in an unsteady wind, being controlled by a constantly increasing tension of the governing spring.

It is Galvanized after completion, giving a remarkably neat and durable finish.

**Self-Governing.** There is a remarkable beauty about the governing principle, which is characteristic of this Mill alone, it being constructed so that the wheel moves out of the wind in governing and not the rudder, as in most other Mills. There is a proper amount of speed for the wheel, which it has in ordinary winds with the wheel directly facing the wind, but by the self-governing principle peculiar to this Mill, when the wind blows harder than the wheel ought to bear, the tendency is to fold the wheel partially toward the rudder, and in this position it continues to work at its regular speed; then, as soon as the force of the wind abates, it resumes its normal position with the wheel squarely facing the wind. If the wind becomes very severe the wheel is folded around by the side of the rudder, thus presenting the edge of the wheel to the wind, and it remains still until the wind storm dies away, when it returns to its original position and resumes its work. Thus the mill governs itself perfectly.



Cut shows Iron Work of Back-Geared Steel Windmill, with new Adjustable Pitman Guide. With each Mill (in the box of bolts) is a set of plain printed instructions for erecting.

**BACK-GEARED GALVANIZED STEEL WINDMILLS.**

Cut shows Iron Work of 8-foot Geared Steel Windmill and portion of Wheel and Rudder.

**A Dozen Reasons Why the IXL Back-Geared Mill is the Best Steel Windmill on Earth.****Because**

It is the only Mill in which the main casting is made in two parts adjustable, so that any wear that may ever come on the cog wheels can be taken up, and this can be done without removing the Mill from the tower, and by simply changing two bolts.

It is the only Back-Geared Mill which can be changed from a three revolution to a two and one-half or two revolution Mill without removing it from the tower.

It is the only Mill which has an adjustable brake working against a rubber cushion.

The Wheel is made with double arms trussed so that it is impossible to spring it out of shape.

The Rudder is double braced with angle steel.

Either Shaft can be removed without taking down the main casting.

It has a bearing for the main shaft back of the gearing as well as in front.

It has three different lengths of stroke, thus adapting it for use with any kind of pump or well.

It is constructed on scientific principles in which durability, ease of erection and self-governing qualities are especially considered.

It will not flop out and into gear in an unsteady wind, being controlled by a constantly increasing tension of the governing spring.

It is galvanized after all of the work of cutting, punching and riveting is completed.

It is made by a responsible company of twenty-five years practical experience, who know what is necessary to make a good and durable Windmill.

IXL GALVANIZED STEEL WINDMILLS.

EVERY MILL IS ADJUSTABLE TO THREE DISTINCT STROKES.

We can furnish these Windmills with cap for four-post wood tower, cap for a solid mast, or cap for steel tower.

If steel tower is ordered, we send the Mill with cap to fit same; if no tower is ordered, we send the Mill with cap to attach to four-post wood tower, unless cap for solid mast is specified in order.

Code, with cap for four-post wood tower.....	Nabathean	Nabauwend	Nabelbind	Nabetale
Code, with cap for a solid mast.....	Nabidder	Nablior	Naboneto	Nabordur
Code, with cap for steel tower.....	Nacarado	Nacarina	Naceremo	Nacharbe
Diameter of wheel, feet.....	8	10	12	14
Strokes, inches.....	4, 6, 8	6, 8, 10	6, 8, 11	10, 12, 14
Each.....	\$33.75	48.75	75.00	105.00
Shipping weight, lbs.....	375	525	875	1100

In ordering, always state what **style of cap** is wanted.

All parts are interchangeable.

We always carry in stock a large and complete assortment of extra parts for the IXL and Direct Motion Steel Windmills.

In ordering repairs, always **state size of the Mill** on which they are to be used; **give description of the part**, and **if a Casting, be sure** and give the number on it.

Price list of repairs furnished on application.

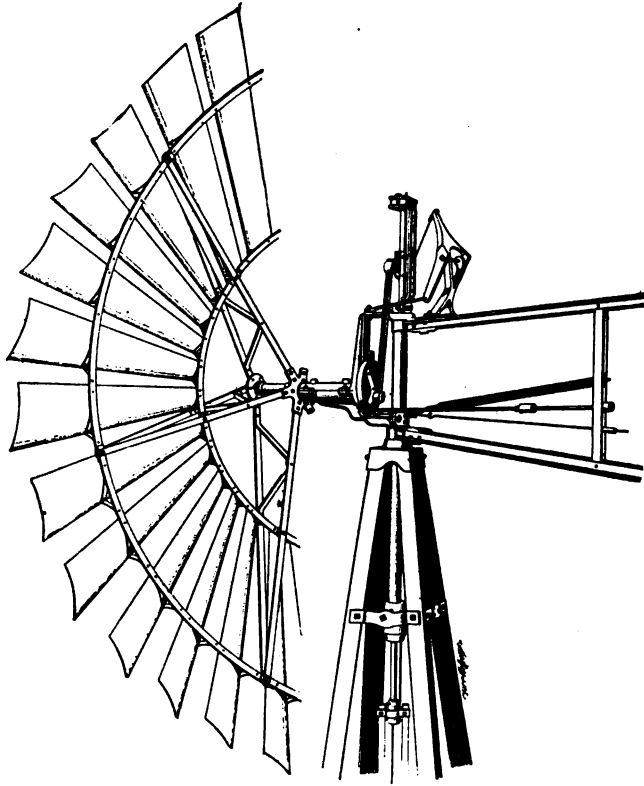
We carry a large stock of the above Windmills, and Steel Towers shown on page 984, and can make prompt shipments.

We manufacture to order Galvanized Iron Tanks, Irrigating Pumps, Sheet Iron Pipe and Well Casing of all sizes and descriptions.

Estimates on all kinds of sheet iron work required for mining, irrigation, stock watering, power plants, city and town water works, etc., will be promptly furnished.

## DIRECT MOTION GALVANIZED STEEL WINDMILLS.

STRENGTH. SIMPLICITY. DURABILITY. EVERY MILL IS ADJUSTABLE TO THREE DISTINCT STROKES.



This cut shows the Iron Work of the 10-foot Direct Motion Steel Windmill, and a portion of the Wheel and Rudder.

The Wheel is made with double arms and thoroughly trussed so that it is impossible to spring it out of shape.

The Rudder is double braced with angle steel.

The Mill is bolted solidly to the tower.

It has nothing to get out of order.

It has a superior brake.

It has an adjustable guide for top end of pitman.

It runs quietly and steadily.

It has a large reservoir under main shaft with automatic conductor.

Its self-governing principle is perfect.

It is so simple in its construction that anyone can erect it.

Code, with cap for four-post wood tower.....	Nababe
Code, with cap for a solid mast.....	Nabarzan
Code, with cap for steel tower.....	Nabathar
Diameter of wheel, feet.....	10
Strokes, inches.....	4, 6, 8
Each.....	\$48.75
Shipping weight, pounds.....	500

In ordering, always state what **style of cap** is wanted.

All parts are interchangeable.

## CALVANIZED STEEL TOWERS.

The accompanying cut shows an 8-foot IXL Galvanized Steel Windmill on a 40-foot Steel Tower.

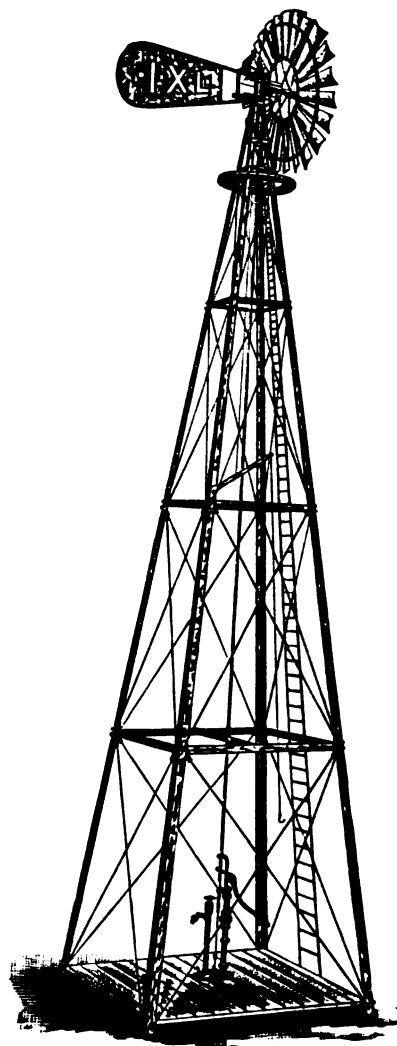
The Steel Tower combines strength and simplicity in a remarkable degree. Study its construction and you will purchase it.

This Tower has a set of girts and braces every ten feet and a **special construction**, so that, when completed, the Corner Posts are double opposite each set of girts, and the lower end of the bottom set of braces attaches to both the anchor post and corner post, **thus tying the Tower together completely from anchor posts to upper platform**. The braces are steel rods and not wires, as some manufacturers use, and each Brace Rod has an Independent Thread and Nut, so it can be drawn to just the tension desired.

It is an easy Tower to erect, has a regular ladder made of angle steel, a large sized upper platform made on an angle steel frame, and any number of 10-foot sections can be added to the bottom should the purchaser ever wish to make his Tower higher.

We call especial attention to the ladder as an important part of the Tower.

Ours is **constructed entirely from angle steel**, which makes it stiff and strong, and it is bolted solidly to each set of girts, making it safe and easy to climb and adding greatly to the strength of the Tower.



### For 8-Foot Mills.

Code.....	Nachbard	Nachbilde	Nachfahr	Nachfrage	Nachheft	Nachkehr
Height, feet.....	10	15	20	30	40	50
Each.....	\$15.00	22.50	30.00	45.00	60.00	75.00
Shipping weight each, lbs.....	100	175	250	475	625	730

### For 10-Foot Mills.

Code.....	Nachlasse	Nachmode	Nachorden	Nachputz	Nachrolle	Nachsaatz
Height, feet.....	10	15	20	30	40	50
Each.....	\$25.00	37.50	37.50	56.25	75.00	93.75
Shipping weight each, lbs.....	100	175	300	520	715	910

The 10 and 15-foot Towers are commonly called Stub Towers; for use on tank frames adjacent to tank.

**H. M. & S. GALVANIZED IRON TANKS.**

RIVETED AND SOLDERED. HAVE HEAVY GALVANIZED TOP BANDS.

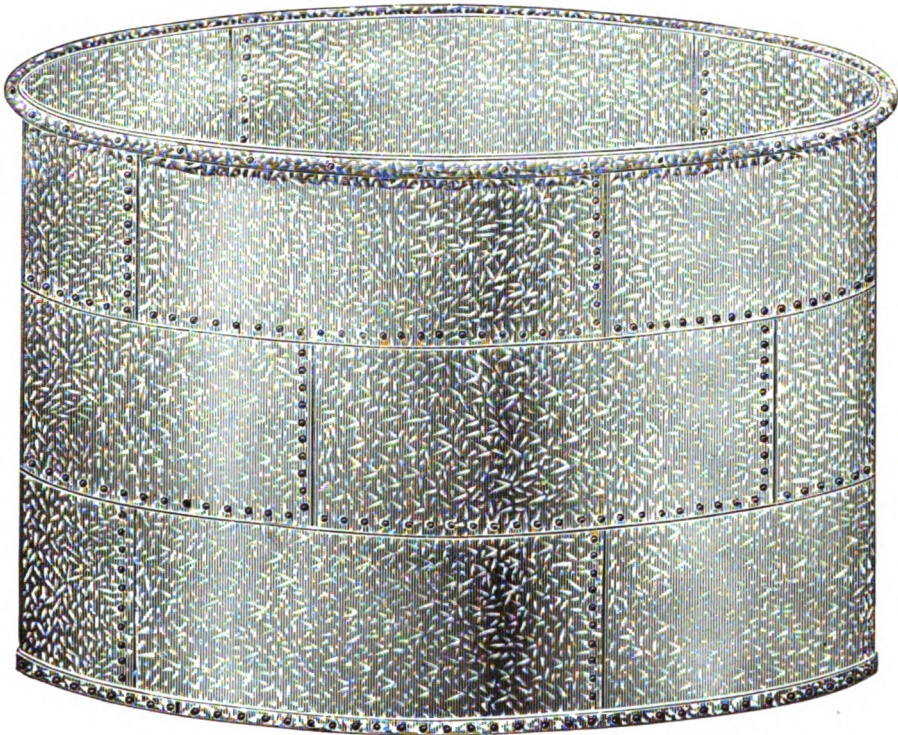


Table showing numbers of iron from which tanks are made, with weights and code words for each size.

Gallons.....	250	.....	500	.....	1000				
Diameter, inches.....	42	.....	45 ½	.....	63 ½				
Height, inches.....	42	.....	72	.....	72				
No. of Iron.	Code.	Weight, Lbs.	Each.	Code.	Weight, Lbs.	Each.	Code.	Weight, Lbs.	Each.
14	Nacktar.....	220	\$.....	Nadadur.....	343	\$.....	Nadonde.....	523	\$.....
16	Nacodar.....	184	.....	Nadelba.....	281	.....	Nadroge.....	427	.....
18	Nadabat.....	155	.....	Nadelfi.....	237	.....	Nafuit.....	359	.....
20	Nadacas.....	125	.....	Naditab.....	187	.....	Nagalmi.....	283	.....
Gallons.....	1500	.....	2000	.....	2500				
Diameter, inches.....	81 ½	.....	91	.....	100				
Height, inches.....	72	.....	72	.....	72				
No. of Iron.	Code.	Weight, Lbs.	Each.	Code.	Weight, Lbs.	Each.	Code.	Weight, Lbs.	Each.
14	Nageflo.....	692	\$.....	Nagelor.....	785	\$.....	Naglure.....	862	\$.....
16	Nagegle.....	566	.....	Nagepen.....	643	.....	Nahaman.....	707	.....
18	Nagekla.....	475	.....	Nagespo.....	540	.....	Naharva.....	594	.....
20	Nagekro.....	373	.....	Nagetre.....	425	.....	Naissan.....	467	.....

**H. M. & S. GALVANIZED IRON TANKS**—Continued.

Table showing numbers of iron from which tanks are made, with weights and code words for each size.

Gallons.....				8000	.....			8500	.....			4000
Diameter, inches.....				111	.....			118	.....			129
Height, inches.....				72	.....			72	.....			72
No. of Iron.	Code.	Weight, Lbs.	Each.		Code.	Weight, Lbs.	Each.		Code.	Weight, Lbs.	Each.	
14	Naitron.....	1003	\$.....		Nakerm.....	1054	\$.....		Naleefs.....	1163	\$.....	
16	Naivete.....	821	.....		Nakinde.....	865	.....		Naleven .....	951	.....	
18	Najeram.....	689	.....		Nakomer ..	726	.....		Naloope .....	800	.....	
20	Najuich.....	541	.....		Nakorag.....	567	.....		Namaquo.....	629	.....	
Gallons.....				5000	.....			6000	.....			8000
Diameter, inches.....				144	.....			157	.....			180
Height, inches.....				72	.....			72	.....			72
No. of Iron.	Code.	Weight, Lbs.	Each.		Code.	Weight, Lbs.	Each.		Code.	Weight, Lbs.	Each.	
14	Namatia .....	1385	\$.....		Nanciam .....	1570	\$.....		Naperse.....	1863	\$.....	
16	Nambour.....	1132	.....		Nanking.....	1283	.....		Naphilo.....	1539	.....	
18	Namidic.....	899	.....		Nanocor .....	1076	.....		Naphiad.....	.....	.....	
20	Namorad.....	744	.....		Nanterr.....	844	.....		Napimog .....	.....	.....	

Above Code Words are for made-up tanks.

The largest made-up tank that can be shipped by railroad is 11 feet high and 9 feet in diameter.

We make tanks of all styles and dimensions.

**H. M. & S. GALVANIZED KNOCKED DOWN TANKS.**

We make and ship these tanks knocked down, when so ordered, each piece cut, punched and formed, and marked to enable any mechanic to put same up with very little trouble. They are always shipped with the necessary solder, rivets, etc., unless ordered otherwise.

Shipping tanks knocked down effects a great saving in freight.

In telegraphing for tanks knocked down, add to the above code words the following suffix: "Kno."

Example: Namidickno.

Translation: 5000 Gallon Galvanized Tank, Number 18 Iron, Knocked Down.



## TIN CANS.

Following are a few styles and sizes of tin cans we manufacture. Besides those illustrated we make and carry in stock all sizes of the following:

**Screw and Nozzle-Top Oil and Varnish Cans,**

**Air Tight Screw Top Cans for Klondike and Export Trade,**

**Friction Top Air Tight Coffee, Baking Powder and Spice Cans,**

**Large Coffee Cans, Tea Cans and Canisters,**

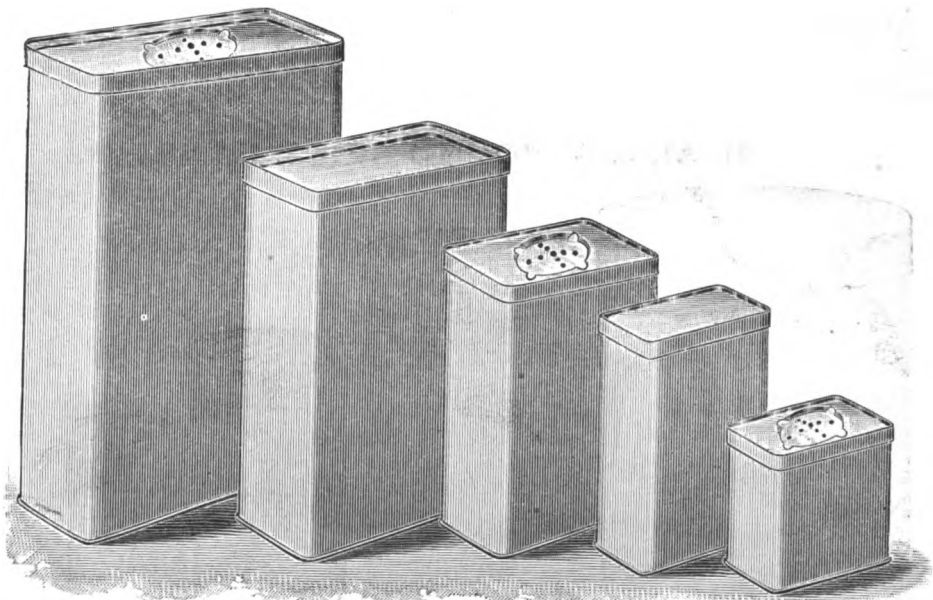
**Honey Cans, With or Without Cases.**

We can furnish any of the above in styles to suit purchaser. We have the largest assortment of dies on the Pacific Coast, which enables us to supply any size or style of can that the trade may require.

Samples and prices furnished on application.

When writing for prices give full specifications of cans wanted, and mention nature of commodity which they are to contain.

## H. M. & S. SQUARE SPICE CANS.



1 lb.

$\frac{1}{2}$  lb.

$\frac{1}{4}$  lb.

2  $\frac{1}{2}$  oz.

1 oz.

Cuts of 1 lb.,  $\frac{1}{4}$  lb. and 1 oz. show Patent or Dredge Top.

### Regular Pattern. Plain Top.

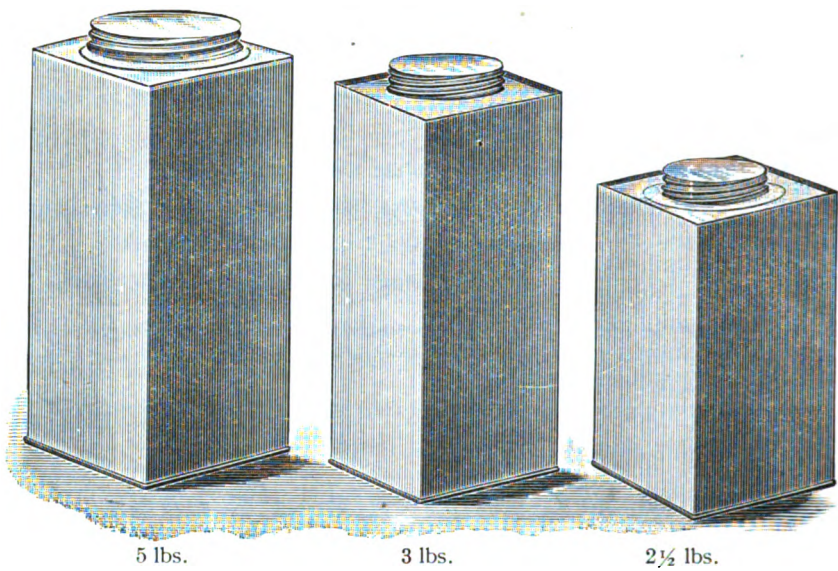
Code.....	Napocaul	Napolitan	Naprater	Naranjera	Narbonesa
Size.....	1 oz.	2 oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	1 lb.
Per thousand .....	\$.....	.....	.....	.....	.....

### Regular Pattern. Patent or Dredge Top.

Code.....	Narcotic	Narguile	Nariputen	Narizota	Narrando
Size.....	1 oz.	2 oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	1 lb.
Per thousand .....	\$.....	.....	.....	.....	.....

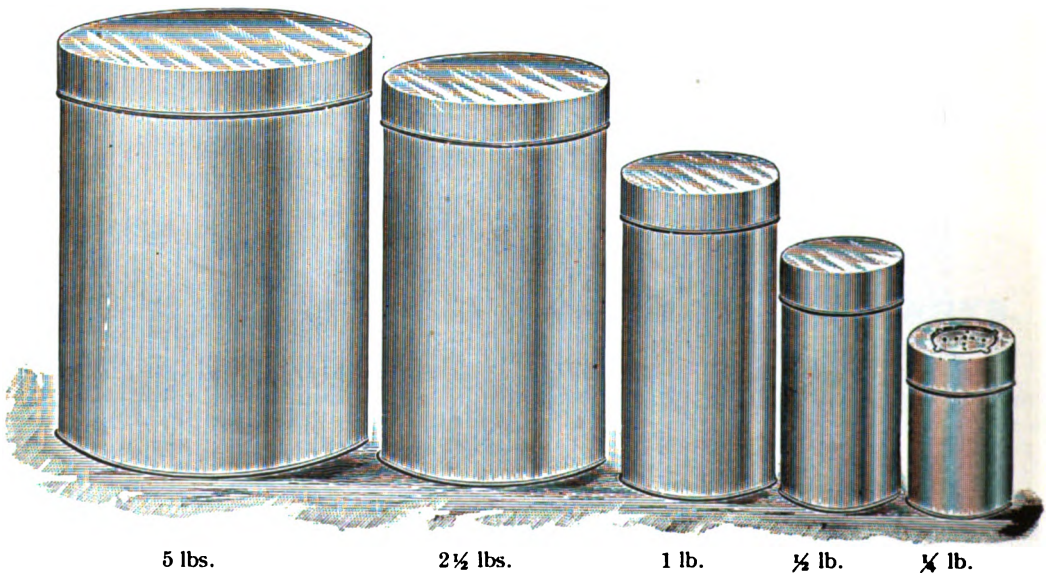
**H. M. & S. SQUARE SPICE CANS.**

SCREW TOPS.



Code .....	Narration	Narravist	Narrenade
Size, lbs.....	2½	8	5
Per thousand.....	\$.....	.....	.....

**H. M. & S. ROUND SPICE CANS.**



Plain Tops.

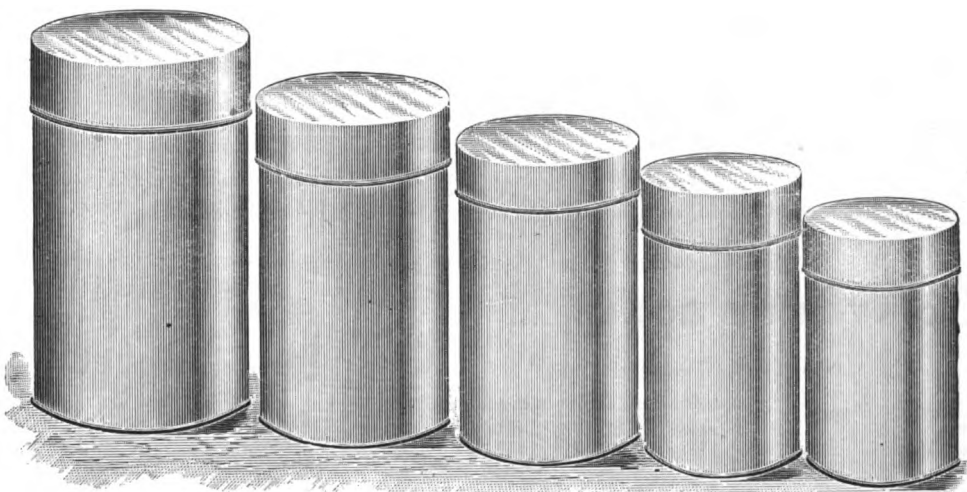
Code .....	Narrenpot	Nasalidad	Nasalize	Nasconde	Nasenkreb
Size, lbs.....	¼	½	1	2½	5
Per thousand .....	\$.....	.....	.....	.....	.....

Patent or Dredge Tops.

Code.....	Nasicorne	Nasporde	Nasturcos
Size, lbs.....	¼	½	1
Per thousand .....	\$.....	.....	.....

H. M. & S. BAKING POWDER CANS.

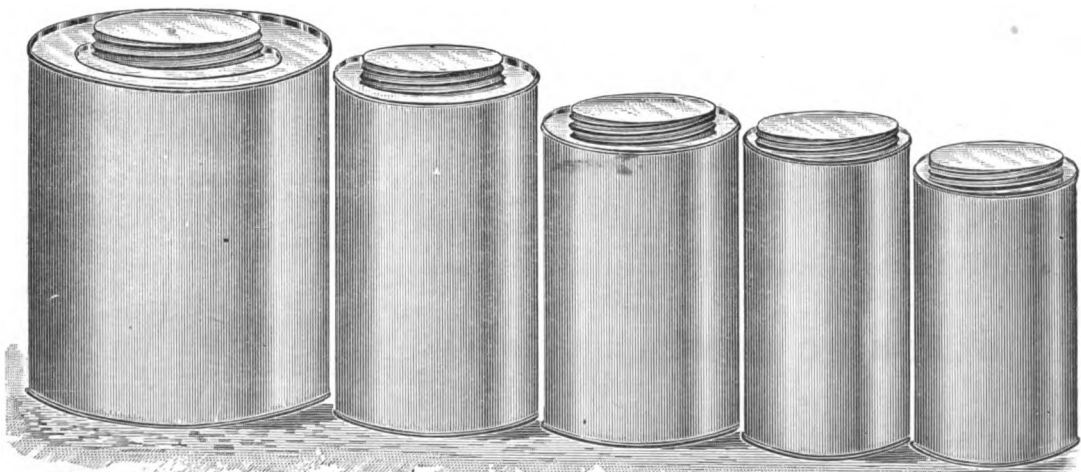
PLAIN TOP.



16 oz.                      14 oz.                      12 oz.                      10 oz.                      8 oz.

Code .....	Natabund	Natilico	Natatoire	Nathanio	Natinanti
Size, ounces.....	8	10	12	14	16
Per thousand.....	\$.....	.....	.....	.....	.....

SCREW TOP.



10 lbs.                      5 lbs.                      4 lbs.                      3 lbs.                      2 1/2 lbs.

Code.....	Nativida	Natredin	Naturale	Naturize	Naturkund
Size, lbs.....	2 1/2	3	4	5	10
Per thousand.....	\$.....	.....	.....	.....	.....

**SEIDLITZ BOXES.**

## TIN.

Code.....	Naubolide	Nauclo
Size .....	Half Size	Full Size
Inches .....	$3\frac{3}{8} \times 2\frac{3}{8} \times 1$	$4\frac{1}{2} \times 3\frac{5}{16} \times 1\frac{1}{2}$
Per gross.....	\$4.00	7.00

**OINTMENT BOXES.**

## SEAMLESS. TIN.

Code.....	Nauclore	Naugator	Nauloche
Numbers.....	<b>508</b>	<b>504</b>	<b>509</b>
Diameter, inches .....	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$
Height, inches.....	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$
Capacity, ounce.....	$\frac{1}{4}$	$\frac{1}{2}$	1
Per gross.....	\$1.20	1.30	1.60

**OINTMENT BOXES.**

## SEAMLESS. TIN.

Code.....	Naupact	Naupidan	Naupliade
Numbers.....	<b>506</b>	<b>507</b>	<b>510</b>
Diameter, inches.....	$2\frac{3}{8}$	3	$3\frac{1}{4}$
Height, inches.....	$\frac{3}{4}$	1	$1\frac{1}{8}$
Capacity, ounces.....	2	3	4
Per gross.....	\$2.50	3.00	4.50

**BLACKING BOXES.**

## SEAMLESS. TIN.

Code.....	Nauporte
Number.....	<b>508</b>
Diameter, inches.....	$3\frac{3}{8}$
Height, inches.....	$\frac{3}{4}$
Capacity, ounces.....	4
Per gross.....	\$4.00



**CAPACITY OF CANS ONE INCH DEEP.**

## UTILITY OF TABLE.

Required the contents of a vessel, diameter  $6\frac{7}{10}$  inches, depth 10 inches:

By the table, a vessel 1 inch deep, and  $6\frac{7}{10}$  inches diameter, contains .15 of a gallon; then  $.15 \times 10 = 1.50$ , or 1 gallon and 2 quarts.

Required the contents of a can, diameter  $19\frac{3}{10}$  inches, depth 30 inches:

By the table, a vessel 1 inch deep, and  $19\frac{3}{10}$  inches diameter, contains 1.33 gallons; then  $1.33 \times 30 = 39.90$ , or nearly 40 gallons.

Required the depth of a can whose diameter is  $12\frac{2}{10}$  inches, to contain 16 gallons:

By the table, a vessel 1 inch deep, and  $12\frac{2}{10}$  inches diameter, contains .50 of a gallon; then  $16 \div .50 = 32$  inches, the depth required, viz.:

$$.50)16(32 \times .50 = 16 \text{ gallons.}$$

Diameter, Inches.	$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$
3	.030	.030	.030	.030	.040	.040	.040	.040	.050
4	.050	.040	.050	.060	.060	.070	.070	.070	.080
5	.080	.080	.080	.090	.100	.100	.110	.110	.110
6	.120	.120	.120	.130	.140	.140	.150	.150	.160
7	.160	.170	.170	.180	.190	.190	.200	.200	.210
8	.210	.220	.220	.230	.240	.250	.250	.260	.260
9	.270	.280	.280	.290	.300	.310	.310	.320	.330
10	.340	.340	.350	.360	.370	.380	.380	.390	.400
11	.410	.410	.420	.430	.440	.450	.460	.470	.480
12	.480	.490	.500	.510	.520	.530	.540	.550	.560
13	.570	.580	.590	.600	.610	.620	.630	.640	.650
14	.660	.670	.680	.690	.700	.710	.720	.730	.750
15	.760	.770	.780	.790	.800	.810	.820	.830	.850
16	.870	.880	.890	.900	.910	.920	.930	.940	.970
17	.980	.990	1.005	1.017	1.028	1.040	1.051	1.063	1.086
18	1.101	1.113	1.125	1.138	1.150	1.162	1.170	1.187	1.211
19	1.227	1.240	1.253	1.266	1.279	1.292	1.304	1.317	1.343
20	1.360	1.373	1.385	1.400	1.414	1.428	1.441	1.455	1.482
21	1.499	1.513	1.527	1.542	1.556	1.570	1.585	1.600	1.630
22	1.645	1.660	1.675	1.696	1.705	1.720	1.735	1.750	1.780
23	1.798	1.814	1.830	1.845	1.861	1.876	1.892	1.908	1.940
24	1.958	1.974	1.991	2.007	2.023	2.040	2.056	2.072	2.105
25	2.125	2.142	2.159	2.176	2.193	2.210	2.227	2.244	2.280
26	2.298	2.316	2.333	2.351	2.369	2.386	2.404	2.422	2.460
27	2.478	2.496	2.515	2.533	2.552	2.570	2.588	2.607	2.643
28	2.665	2.684	2.703	2.722	2.741	2.764	2.780	2.800	2.836
29	2.859	2.879	2.898	2.918	2.938	2.958	2.977	2.997	3.036
30	3.060	3.080	3.100	3.121	3.141	3.162	3.182	3.202	3.245
31	3.267	3.288	3.309	3.330	3.351	3.372	3.393	3.414	3.457
32	3.481	3.503	3.524	3.543	3.568	3.590	3.612	3.633	3.689
33	3.702	3.725	3.747	3.773	3.795	3.814	3.837	3.860	3.904
34	3.930	3.953	3.976	4.003	4.022	4.046	4.070	4.092	4.140
35	4.165	4.188	4.212	4.236	4.260	4.284	4.307	4.331	4.380
36	4.406	4.430	4.455	4.483	4.503	4.528	4.553	4.577	4.626
37	4.654	4.679	4.704	4.730	4.755	4.780	4.805	4.834	4.880
38	4.909	4.935	4.961	4.987	5.012	5.038	5.064	5.090	5.142
39	5.171	5.197	5.224	5.250	5.277	5.304	5.330	5.357	5.410
40	5.440	5.467	5.491	5.521	5.548	5.576	5.603	5.630	5.684

CAPACITY OF CISTERNS.

IN GALLONS FOR EACH 10 INCHES IN DEPTH.

Diameter, Feet.	Gallons.	Diameter, Feet.	Gallons.	Diameter, Feet.	Gallons.	Diameter, Feet.	Gallons.
2	19.5	5½	148.1	9	396.56	15	1101.6
2½	30.5	6	176.25	9½	461.4	20	1958.4
3	44.6	6½	206.85	10	489.6	25	3059.9
3½	59.97	7	239.88	11	592.4	30	4406.4
4	78.33	7½	275.4	12	705.	35	5190.
4½	99.14	8	313.33	13	827.4	40	7831.
5	122.4	8½	353.72	14	959.6		

TO FIND THE SPECIFIC GRAVITY OF A SUBSTANCE.

W=Weight of body in air.  
w=Weight of body in water.

Specific gravity= $\frac{W}{W-w}$

If the substance be lighter than water, sink it by means of a heavier substance, and deduct the weight of the heavier substance.

WEIGHT AND SPECIFIC GRAVITY OF VARIOUS MATERIALS.

Material.	Weight per Cu. Ft.	Specific Grav- ity.	Material.	Weight per Cu. Ft.	Specific Grav- ity.	Material.	Weight per Cu. Ft.	Specific Grav- ity.
Asphaltum .....	87	1.4	Earth, from* .....	77	1.52	Millstone .....	155	.....
Basalt .....	181	2.9	Earth, to .....	125	2.	Pitch .....	72	1.15
Brick, Com., from .....	100	1.6	Emery .....	250	.....	Plaster Paris, Cast .....	80	.....
Brick, Com., to .....	125	2.	Flint .....	162	2.6	Plumbago .....	140	2.267
Brick, Pressed .....	134	2.16	Glass, Flint .....	192	3.088	Porphyry .....	170	2.73
Brick, Fire .....	150	2.04	Glass, Common .....	157	2.52	Pumice Stone .....	57	.....
Brick, in Mortar .....	110	.....	Glass, Plate .....	172	2.76	Quartz .....	165	2.65
Brick, in Cement .....	112	.....	Glass, Flooring .....	158	2.258	Sand, river .....	117	1.88
Cement, Port., loose. 78	.....	.....	Granite, Gray .....	163	2.262	Sand, coarse .....	100	1.61
Cement, Rose, loose. 60	.....	.....	Granite, Red .....	165	2.262	Sand Stone .....	150	2.4
Chalk, solid .....	145	2.33	Gutta Percha .....	60	.966	Slate, American .....	175	2.8
Charcoal, Birch .....	34	.....	Gun Powder, coarse .....	57	.....	Slate, Welsh .....	180	2.88
Charcoal, Fir .....	28	.....	Gun Powder, fine .....	56	.....	Snow, fresh fallen .....	5 to 12	.....
Charcoal .....	21	.....	Gypsum .....	143	2.286	Snow, wet and com- pacted by rain .....	15 to 20	.....
Charcoal, Pine .....	18	.....	Ivory .....	114	1.82	Sulphur .....	125	2.
Clay .....	119	1.9	Lime Stone .....	168	2.7	Tallow .....	58.6	.94
Coal, Anthracite .....	93.5	1.5	Lime, Quick .....	53	.843	Tar .....	63	1.016
Coal, Bituminous .....	84	1.35	Marble .....	168	.....	Trap .....	170	2.72
Coal, Cannel .....	79	1.27	Masonry, Ashlar .....	160	.....	Tile .....	115	1.85
Coke .....	26	.....	Masonry, Rubble .....	180	.....	Wax, Bees .....	60.5	.97
Concrete, in Cement.	137	2.2	Mortar, average .....	106	1.7			

**WEIGHT AND SPECIFIC GRAVITY OF TIMBER.**

SEASONED.

Name	Wt. Per Cu. Ft. Average	Specif. Gravity Average	Name	Wt. Per Cu. Ft. Average	Specif. Gravity Average	Name	Wt. Per Cu. Ft. Average	Specif. Gravity Average
Apple .....	49	.79	Ebony .....	74	1.187	Maple, Soft.....	42	.675
Ash .....	47	.76	Elm.....	35	.56	Oak, Live.....	60	.96
Beech.....	43	.696	Hemlock.....	25	.4	Oak, White.....	52	.83
Birch .....	45	.73	Hickory.....	53	.85	Oak, Red .....	45	.725
Box .....	60	.96	Horn Beam .....	47	.76	Pine, White .....	25	.40
Cedar, West India...	47	.748	Iron Wood.....	71	1.15	Pine, Yellow, North'n	35	.564
Cedar, American.....	35	.554	Larch .....	35	.556	Pine, Yellow, South'n	45	.72
Cedar, Lebanon .....	30	.486	Lignumvitæ.....	83	1.333	Sycamore .....	37	.601
Cherry .....	42	.672	Mahogany, Honduras.	35	.56	Teak .....	46	.74
Chestnut .....	41	.66	Mahogany, Spanish ...	53	.582	Walnut.....	35	.56
Cork .....	15	.24	Maple, Rock.....	49	.79	.....		

**AVERAGE WEIGHT AND SPECIFIC GRAVITY OF METALS.**

Metals	Wt. Per Cu. Ft., Pounds	Wt. Per Cu. In., Pounds	Specific Gravity	Metals	Wt. Per Cu. Ft., Pounds	Wt. Per Cu. In., Pounds	Specific Gravity
Aluminum.....	166	.096	2.87	Iron, Wrought.....	480	.280	7.78
Antimony, Cast.....	419	.242	6.72	Lead, Cast.....	708	.408	11.36
Bismuth .....	613	.353	9.82	Lead, Rolled.....	711	.410	11.41
Brass, Cast.....	524	.300	8.40	Mercury.....	849	.489	13.60
Bronze.....	534	.308	8.56	Platinum .....	1344	.775	21.53
Copper, cast.....	537	.310	8.62	Platinum, Sheet.....	1438	.828	23.00
Copper, wire.....	555	.320	8.90	Silver, Pure .....	654	.377	10.47
Gold, 24 carat .....	1208	.697	19.36	Silver, standard.....	644	.371	10.31
Gold, Standard.....	1106	.638	17.72	Steel.....	490	.284	7.85
Gun Metal .....	528	.304	8.26	Tin, Cast.....	455	.262	7.29
Iron, Cast.....	450	.260	7.21	Zinc .....	437	.252	7.00

**AVERAGE WEIGHT AND SPECIFIC GRAVITY OF LIQUIDS.**

Water.—The weight of fresh water is in practice usually assumed at  $62\frac{1}{2}$  pounds per cubic foot. But  $62\frac{1}{2}$  would be nearer the truth at ordinary temperatures, about 70 degrees; or 1 pound=27.759 cubic inches.

Liquids	Specific Gravity	Wt. Per Cu. In., Pounds	Wt. Per Gallon	Liquids	Specific Gravity	Wt. Per Cu. In., Pounds	Wt. Per Gallon
Water, distilled 62° Fahr.....	1	.036	8.33	Honey .....	1.450	.052	12.00
Water, Sea.....	1.0300	.037	8.55	Milk .....	1.032	.037	8.55
Water, Dead Sea.....	1.2400	.045	10.40	Molasses .....	1.426	.050	11.66
Acid, Acetic.....	1.062	.038	8.78	Oil, Linseed.....	.940	.034	7.85
Acid, Nitric .....	1.217	.044	10.16	Oil, Olive .....	.915	.033	7.62
Acid, Sulphuric.....	1.841	.067	15.48	Oil, Turpentine.....	.870	.031	7.16
Acid, Muratic.....	1.200	.043	9.93	Oil, Whale .....	.923	.033	7.65
Alcohol, Pure.....	.792	.029	6.70	Naphtha .....	.848	.031	7.00
Alcohol, Proof.....	.916	.033	7.62	Petroleum.....	.878	.032	7.39
Alcohol, commercial.....	.833	.030	6.93	Tar .....	1.015	.036	8.40
Cider.....	1.018	.036	8.40	Wines, Average.....	.998	.036	8.30



**WEIGHTS OF LUMBER, ETC., DRY.**

Articles	Weight, Pounds	Articles	Weight, Pounds
Flooring, D and M.....per 1000 feet	1800	Boards and Dimensions, rough.....per 1000 feet	2400
Siding, dressed.....per 1000 feet	800	Shingles.....per 1000 pieces	250
Ceiling, $\frac{3}{8}$ -inch thick.....per 1000 feet	800	Lath.....per 1000 pieces	450
Ceiling, $\frac{1}{2}$ -inch thick.....per 1000 feet	900	Pickets, rough.....per 1000 pieces	1800
Boards, dressed one side...per 1000 feet	2000	Pickets, dressed.....per 1000 pieces	2400

**MISCELLANEOUS WEIGHTS.**

Articles.	Weight, Lbs.	Articles.	Weight, Lbs.
Flour, barrel.....	196	Cement (Hy.), Rosedale, bushel.....	70
Salt, barrel.....	280	Cement (Hy.), Louisville, bushel.....	62
Beef, barrel.....	200	Cement (Hy.), Portland, bushel.....	96
Pork, barrel.....	200	Gypsum, ground, bushel.....	70
Fish, barrel.....	200	Lime, loose, bushel.....	70
Powder, keg.....	25	Lime, well shaken, bushel.....	80
Stone of Lead or Iron.....	14	Sand at 98 lbs. per cubic foot, bushel.....	122 $\frac{1}{2}$

18.29 bushels sand=ton. 1.18 tons=cubic yard.

Anthracite coal, broken, cubic foot averages 54 lbs.

A ton loose occupies 40 to 43 cubic feet.

Bituminous coal, broken, cubic foot averages 49 lbs.

A ton loose occupies 43 to 48 cubic feet.

**TO DERIVE WEIGHT OF IRON.**

The average weight of Wrought Iron is 480 lbs. per cubic foot.

To find the sectional area, given the weight per foot: Multiply by  $\frac{3}{16}$ .

To find the weight per foot, given the sectional area: Multiply by  $\frac{1}{2}$ .

For Round Iron the weight per foot may be figured by taking the diameter in  $\frac{1}{4}$  inches; square it and divide by 6.

Example: What is the weight per foot of 2-inch Round Iron? 2 inches=8 quarter inches.  $8 \times 8 = 64$ .  $64 \div 6 = 10\frac{2}{3}$  lbs. per foot.

Example: What is the weight per foot of  $\frac{3}{4}$ -inch Round Iron?  $\frac{3}{4}$  inch=3 quarter inches.  $3 \times 3 = 9$ .  $9 \div 6 = 1\frac{1}{2}$  lbs. per foot.

**TO ASCERTAIN THE WEIGHT OF COPPER.**

Find the number of cubic inches in the piece, multiply by .3214, and the product will be the weight in pounds.

**WEIGHT OF SHEET COPPER.**

Per Square Foot.

$\frac{1}{16}$  inch thick weighs 3 lbs. to the square foot.

$\frac{1}{8}$  " " " 6 " " " " "

$\frac{3}{16}$  " " " 12 " " " " "

$\frac{1}{4}$  " " " 24 " " " " "



**PURE BLOCK TIN PIPE.****Weight per Foot.**

Diameter, inch.....	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{8}$
Weight per foot, ounces.....	$1\frac{3}{4}$	$2\frac{3}{4}$	$3\frac{1}{2}$	8	$6\frac{1}{2}$	4	7	7	10	8	$6\frac{1}{2}$	11
Diameter, inches.....	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{3}{4}$	1	1	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	2	
Weight per foot, ounces.....	9	13	11	17	14	26	18	36	24	40	26	

**ALLOWANCES FOR SHRINKAGE OF CASTINGS.**

Castings.	Per Lineal Foot, Inch.	Castings.	Per Lineal Foot, Inch.
Cast Iron.....	$\frac{1}{8}$	Tin.....	$\frac{1}{16}$
Brass.....	$\frac{3}{16}$	Zinc.....	$\frac{3}{16}$
Lead.....	$\frac{1}{8}$		

**TABLE OF WEIGHTS.**

Per Square Foot of Iron, Steel, Copper, Brass and Pure Aluminum in Sheets and Thickness in Decimals of an Inch.

By American Gauge (Brown & Sharpe's).

Gauge No.	Thickness in Decimals of an Inch.	WEIGHT OF PLATES PER SQUARE FOOT.				
		Wrought Iron, Lbs.	Steel, Lbs.	Copper, Lbs.	Brass, Lbs.	Pure Aluminum, Lbs.
1	.2900	10.84880	10.99340	13.10500	12.38200	4.17600
2	.2580	9.66110	9.78990	11.67100	11.02700	3.71520
3	.2300	8.60330	8.71800	10.39300	9.81920	3.31200
4	.2050	7.66160	7.76380	9.25520	8.74450	2.95200
5	.1820	6.82280	6.91370	8.24190	7.78700	2.62080
6	.1620	6.07580	6.15680	7.33950	6.93450	2.33280
7	.1450	5.41050	5.48260	6.53590	6.17520	2.08800
8	.1290	4.81840	4.88260	5.82060	5.49940	1.85760
9	.1150	4.29110	4.34830	5.18370	4.89760	1.65600
10	.1020	3.82090	3.87180	4.61560	4.36090	1.46880
11	.0907	3.40280	3.44820	4.11060	3.88380	1.30608
12	.0808	3.03030	3.07070	3.66060	3.45860	1.16352
13	.0120	2.69850	2.73450	3.25980	3.07990	1.03680
14	.0640	2.40320	2.43520	2.90300	2.74280	.92160
15	.0570	2.14010	2.16860	2.58520	2.44250	.80080
16	.0508	1.90580	1.93120	2.30210	2.17510	.73152
17	.0453	1.69710	1.71980	2.05010	1.93700	.65232
18	.0403	1.51140	1.53150	1.82570	1.72500	.58032
19	.0359	1.34590	1.36380	1.62580	1.53610	.51696
20	.0320	1.19650	1.21450	1.44780	1.36790	.46080
21	.0285	1.06730	1.08160	1.28930	1.21820	.41040
22	.0254	.95051	.96319	1.14820	1.08490	.36576
23	.0225	.84641	.85770	1.02250	.96604	.32400
24	.0201	.75375	.76380	.91053	.86028	.28944
25	.0179	.67125	.68020	.81087	.76612	.25776
26	.0160	.59775	.60572	.72208	.68223	.23040
27	.0142	.53231	.53941	.64303	.60755	.20448
28	.0127	.47404	.48036	.57264	.54103	.18288
29	.0113	.42214	.42777	.50994	.48180	.16272
30	.0100	.37594	.38095	.45413	.42907	.14400
Specific gravity.....		7.78000	7.80500	8.90000	8.40000	2.67000
Weight, per cubic foot.....		480.00000	490.00000	555.00000	524.00000	166.00000

The weights given in these tables are theoretically correct, but variations must be expected in practice.

For Table of Weights and Thickness of Iron Sheets, Standard Gauge, adopted by the United States, taking effect July 1, 1893, see page 106.

**NUMBER U. S. STANDARD THREADS TO AN INCH.**

Diameter, inches.....	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$
Number of threads.....	20	18	16	14	13	12	11	10	9	8	7	7
Diameter, inches.....	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$
Number of threads.....	6	6	$5\frac{1}{2}$	5	5	$4\frac{1}{2}$	$4\frac{1}{2}$	4	4	$3\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$

**BAR AND SHEET LEAD.**

Weight in Pounds.

Thickness or Diameter, or Side, Inch.	Sheets per Square Foot.	Square Bars 1 Foot Long.	Round Bars 1 Foot Long.	Thickness or Diameter, or Side, Inches.	Sheets per Square Foot.	Square Bars 1 Foot Long.	Round Bars 1 Foot Long.
$\frac{1}{16}$	3.71	.020	.014	$1\frac{1}{16}$	63.20	5.60	4.40
$\frac{1}{8}$	7.43	.079	.060	$1\frac{1}{8}$	66.87	6.26	4.91
$\frac{3}{16}$	11.00	.175	.136	$1\frac{3}{16}$	70.51	6.98	5.50
$\frac{1}{4}$	14.80	.310	.245	$1\frac{1}{4}$	74.35	7.74	6.10
$\frac{5}{16}$	18.05	.486	.380	$1\frac{5}{16}$	78.05	8.55	6.73
$\frac{3}{8}$	22.20	.695	.549	$1\frac{3}{8}$	84.76	9.38	7.38
$\frac{7}{16}$	26.00	.948	.745	$1\frac{7}{16}$	85.48	10.18	8.05
$\frac{1}{2}$	29.75	1.250	.975	$1\frac{1}{2}$	89.28	11.00	8.75
$\frac{9}{16}$	33.49	1.550	1.240	$1\frac{9}{16}$	93.00	12.05	9.50
$\frac{5}{8}$	37.18	1.950	1.510	$1\frac{5}{8}$	96.78	13.15	10.25
$1\frac{1}{16}$	40.87	2.330	1.850	$1\frac{11}{16}$	100.50	14.15	11.06
$\frac{3}{4}$	44.58	2.800	2.200	$1\frac{3}{4}$	104.10	15.18	11.88
$1\frac{1}{8}$	48.28	3.280	2.580	$1\frac{13}{16}$	107.80	16.30	12.76
$\frac{7}{8}$	52.12	3.800	2.980	$1\frac{7}{8}$	112.30	17.45	13.66
$1\frac{1}{4}$	56.05	4.350	3.410	$1\frac{15}{16}$	116.00	18.10	14.61
1	59.48	4.950	3.900	2	119.60	19.78	15.58

**COPPER RIVETS AND BURRS.**

Number in One Pound.

Length, inches.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	Burrs
No. 8.....	266	227	172	147	136	116	100	93	88	71	417
" 9.....	365	261	228	184	169	156	133	124	113	99	600
" 10.....	411	236	257	223	206	180	162	.....	.....	...	820
" 12.....	545	400	325	292	257	221	190	.....	.....	...	1167

**MELTING POINT OF METALS.**

Name.	Degrees Fahrenheit.	Name.	Degrees Fahrenheit.	Name.	Degrees Fahrenheit.
Antimony.....	1150	Lead .....	617	Sulphur.....	194
Bismuth.....	507	Mercury.....	-390	Steel.....	4000
Brass.....	1870	Iron, Cast.....	2780	Tin.....	442
Copper.....	1996	Iron, Wrought.....	4000	Zinc.....	773
Gold .....	2016	Silver.....	1830	Solder.....	441
Ice.....	+32				

**FLUXES FOR BRAZING AND SOLDERING.**

Metals.	Fluxes.
Cast Iron	{ Borax Sal Ammoniac
Malleable Iron	
Steel	
Copper	{ Sal Ammoniac, Chloride of Zinc or Rosin
Brass	
Gun Metal	
Tinned Iron.....	
Lead with fine Solder.....	Chloride of Zinc or Rosin Rosin

**VALUABLE****PRACTICAL RECEIPTS AND COMPOSITIONS.**

**Tinsmiths' Solder.**—Tin, one pound; lead, one pound.

**Plumbers' Solder.**—Tin, two pounds; lead, five pounds.

**Hard Solder.**—Copper, one pound; zinc, eight ounces.

**Solder for Gold.**—Gold, three pounds; silver, one pound; copper, one pound.

**Solder for Silver.**—Copper, two pounds; silver, one ounce; sheet brass, fifteen pounds.

**Solder for Britannia.**—Tin, seven pounds; lead, four pounds.

**Yellow Solder.**—Copper and zinc, equal parts.

**Black Solder.**—Copper, two pounds; zinc, two pounds; tin, four ounces.

**Yellow Brass.**—Zinc, ten pounds; lead, four ounces; copper, twenty-four pounds.

**Red Brass.**—Zinc, five pounds; lead, eight ounces; copper, twenty-four pounds.

**Bronze Metal.**—Zinc, two pounds; tin, one pound; copper, four pounds.

**Britannia Metal.**—Antimony, one pound; tin, one hundred pounds; copper, two pounds.

**Silver-Colored Metal.**—Tin, fifty pounds; bismuth, one pound; antimony, three pounds; copper, three pounds.

**German Silver.**—Zinc, five pounds; copper, fourteen pounds; nickel, six pounds.

**Imitation Silver.**—Copper, four pounds; zinc, four ounces.

**Pinchbeck.**—Zinc, one pound; copper, four pounds.

**Tombac.**—Tin, one pound; zinc, one pound; copper, fifteen pounds.

**White Metal.**—Copper, five pounds; zinc, three pounds; lead, one pound; tin, one pound.

**Metal for Taking Impressions.**—Bismuth, three pounds; lead, one pound; tin, eight ounces.

**Rivet Metal.**—Tin, five pounds; zinc, two pounds; copper, ten pounds.

**Fusible Alloy** (which melts in hot water).—Bismuth, six ounces; tin, two ounces; lead, three ounces.

**A Metal that Extends in Cooling.**—Lead, nine parts; antimony, two parts; bismuth, four parts.

**Tinning Acid for Brass and Copper.**—Muriatic acid, one pound; give it all the zinc it will dissolve; add four ounces sal ammoniac, one pint water.

**For Tinning Brass.**—Water, four gallons; salt, one pint; cream tartar, one pound.

**Mixture for Silvering Metals.**—Dissolve two ounces of silver in three grains of corrosive sublimate; add salt, eight quarts; tartaric acid, four pounds.

**To Separate Silver from Copper.**—Sulphuric acid, one part; nitric acid, one part; water, one part; then boil the metal in the mixture until it dissolves; add a little salt, and the silver will subside.

**Speculum Metal.**—Copper, four pounds; tin, one pound; zinc, eight ounces.

**Common Pewter.**—Tin, four pounds; lead, one pound.

**Queen's Metal.**—Tin, nine pounds; antimony, one pound; lead, one pound; bismuth, one pound.

**Mock Platinum.**—Copper, four pounds; zinc, eighteen pounds.

**Mock Gold.**—Copper, sixteen pounds; platinum, seven pounds; zinc, one pound.

**Mankin Gold.**—Copper, three pounds; zinc, one pound; tin, four ounces.

**Type Metal.**—Lead, nine parts; antimony, two parts; bismuth, two parts; Chinese silver, two and five-tenths parts; copper, sixty-five and one-quarter parts; zinc, nineteen and one-half parts; nickel, thirteen parts; cobalt of iron, one-eighth part.

**Chinese White.**—Copper, forty and four-tenths parts; nickel, thirty-one and six-tenths parts; zinc, twenty-five and four-tenths parts; iron, two and six-tenths parts.

**Cement for Stopping Holes in Cast-Iron.**—Iron filings, fifteen parts; sal ammoniac, two parts; sulphur, one part; ground or powdered stone, two parts; add water until it is about the consistency of common paste; it is then ready for use.

**Acid for Soldering Tin.**—Muriatic acid, one part; add all the zinc it will dissolve; then add two parts water and a little sal ammoniac.

**Acid for Soldering Brass and Copper.**—Muriatic acid, one pound; zinc, four ounces; sal ammoniac, five ounces.

**Acid for Soldering Zinc.**—Muriatic acid, one pound; sal ammoniac, two ounces; all the zinc it will dissolve; water, three pints.

**Acid for Soldering Iron.**—Muriatic acid, one pound; sperm tallow, six ounces; sal ammoniac, four ounces.

**Acid for Soldering Gold and Silver.**—Muriatic acid, one pound; sperm tallow, eight ounces; sal ammoniac, eight ounces.

## Practical Receipts and Compositions—Continued.

**Cement for Coppersmiths.**—Boiled linseed oil and red lead, mixed to the consistency of putty, is a good cement for stopping joints and cracks in copper pipe.

**Cement, Invisible, for Glass, China, Earthen and Stoneware.**—India-rubber, one part; chloroform, sixty parts; white shellac, six parts; gum mastic, twenty parts; shake frequently for two or three days and it will be ready for use.

**Cement for Joining Metals to Wood, Leather and Glass.**—Rosin, fifty parts; burnt umber, ten parts; calcined plaster, five parts; a little boiled oil improves it.

**Cement for Joining Files.**—Gum shellac, two parts; powdered chalk, one part; powdered and mixed. Place the cement on one end of the file, heat the other, press them firmly together and let them cool gradually.

**Powder for Silvering Metals.**—Nitrate of silver, ten parts; common salt, ten parts; cream tartar, thirty parts; moisten with water and apply.

**Sealing Wax for Fruit Cans.**—Beeswax, one part; rosin, ten parts; gum shellac, one part, coloring, according to taste; melt the rosin and beeswax at a low heat, then add the gum shellac, and last of all the coloring. If the cans are to be handled often, less rosin and more beeswax should be used.

**To Coat Brass or Copper Vessels with Tin.**—Boil the vessels in a solution of tin filings and chlorate of potassa, and they will in a few minutes become perfectly tinned. Care should be taken to have the vessels perfectly clean, otherwise the operation will be imperfectly performed.

**Reliable Paste for Sticking on Tin.**—To eight ounces flour, four ounces brown sugar, one ounce bicarb-soda, add five ounces cold water. Mix the above thoroughly until free from lumps. Then add one and one-half pounds boiling water and cook for a short time, continuously stirring. After the paste is made, and while still hot, add one-half ounce sulphuric acid.

**Parting Sand.**—Burnt sand scraped from the surface of castings.

**Loam.**—Mixture of brick, clay and old foundry sand.

**Blackening for Moulds.**—Charcoal powder; or, in some instances fine coal dust.

**Black Wash.**—Charcoal, plumbago and size.

**Mixture for Welding Steel.**—One sal ammoniac, ten borax, pounded together and fused until clear, when it is poured out, and after cooling, reduce to powder.

**Rust-Joint Cement.** (Quickly setting). One sal ammoniac in powder (by weight), two flour of sulphur, eighty iron borings made to paste with water.

**Rust-Joint.** (Slowly setting). Two sal ammoniac, one flour of sulphur, two hundred iron borings. The latter cement is the best if the joint is not required for immediate use.

**Red-Lead Cement for Face Joints.**—One of white lead, one of red lead mixed with linseed oil to the proper consistency.

**Case-Hardening.**—Place horn, hoof, bone-dust or shreds of leather together with the article to be case-hardened, in an iron box subject to a blood-red heat, then immerse the article in cold water.

**Case-Hardening with Prussiate of Potash.**—Heat the article, after polishing, to a bright red, rub the surface over with prussiate of potash; allow to cool to dull red and immerse it in water.

**Case-Hardening Mixtures.**—Three prussiate of potash, one sal ammoniac, or, one prussiate of potash, two sal ammoniac, two bone-dust.

**Glue to Resist Moisture.**—One pound of glue melted in two quarts of skim milk.

**Marine Glue.**—One of india-rubber, twelve of mineral naphtha or coal tar. Heat gently, mix, and add twenty of powdered shellac. Pour out on a slab to cool. When used, to be heated to about two hundred and fifty degrees.

**Glue Cement to Resist Moisture.**—One glue, one black rosin, one-fourth red ochre, mixed with least possible quantity of water, or, four of glue or one oxide of iron, one of boiled oil (by weight).

**To Remove Rust From Steel.**—Steel which has been rusted can be cleaned by brushing with a paste compound of one-half ounce cyanide potassium, one-half ounce castile soap, one ounce whiting, and water sufficient to form a paste. The steel should be washed with a solution of one-half ounce cyanide potassium in two ounces water.

**To Preserve Steel from Rust.**—One caoutchouc, sixteen turpentine. Dissolve with a gentle heat, then add eight parts boiled oil. Mix by bringing them to the heat of boiling water; apply to the steel, with a brush, in the way of varnish. It may be removed with turpentine.

**To Clean Brass.**—One roche alum and sixteen water. Mix. The article to be cleaned must be made warm, then rubbed with the above mixture and finished with fine tripoli.

## MATERIALS AND LABOR PER SQUARE OF TIN ROOF.

A box of tin plate 14x20 will lack five sheets of covering two squares; or 58 sheets will cover one square. For less than one square the quantity required may be roughly estimated by allowing 6 sheets for every 10 square feet.

Calculations of materials, labor, etc., are not made by the boxes of tin used, but by the number of squares (10 feet by 10 feet) of roof to be covered. Four pounds of solder and a pound and a half of roofing nails can generally be allowed to each square in an estimate. A good man will lay from two to three squares, according to his industry and expertness, the weather and other conditions. Two and a half squares a day is probably as large a general average per man as can be counted upon.

The following four tables will be found of practical value by tinner in calculating the number of boxes of tin needed to cover a given area of roof.

### 14 x 20 Flat Seam Roofing.

Table showing the square feet of "flat seam" roof for any number of sheets of 14x20 tin plate from 1 to 1000; also, showing the number of sheets of 14x20 tin plate required to lay any given "flat seam" roof, varying in size from 2 feet to 1715 feet. Size of tin, 14x20; edged, 13x19; square inches exposed, 247; sheets per box, 112.

No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.
1	2	20	34	38	65	56	96	74	127	92	158
2	3	21	36	39	67	57	98	75	129	93	160
3	5	22	38	40	69	58	99	76	130	94	161
4	7	23	39	41	70	59	101	77	132	95	163
5	9	24	41	42	72	60	103	78	134	96	165
6	10	25	43	43	74	61	105	79	136	97	166
7	12	26	45	44	75	62	106	80	137	98	168
8	14	27	46	45	77	63	108	81	139	99	170
9	15	28	48	46	79	64	110	82	141	100	172
10	17	29	50	47	81	65	111	83	142	200	343
11	19	30	51	48	82	66	113	84	144	300	515
12	21	31	53	49	84	67	115	85	146	400	686
13	22	32	55	50	86	68	117	86	148	500	858
14	24	33	57	51	87	69	118	87	149	600	1029
15	26	34	58	52	89	70	120	88	151	700	1201
16	27	35	60	53	91	71	122	89	153	800	1372
17	29	36	62	54	93	72	124	90	154	900	1544
18	31	37	63	55	94	73	125	91	156	1000	1715
19	33										

### 14 x 20 Standing Seam Roofing.

Table showing the square feet of "standing seam" roof for any number of sheets of 14x20 tin plate from 1 to 1000; also, showing the number of sheets of 14x20 tin plate required to lay any given "standing seam" roof, varying in size from 2 feet to 1602 feet. Size of tin, 14x20; exposed on roof, 13x17½; square inches exposed, 200¾; sheets per box, 112.

No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.
1	2	20	32	38	61	56	90	74	119	92	147
2	3	21	34	39	62	57	91	75	120	93	149
3	5	22	35	40	64	58	93	76	121	94	151
4	6	23	37	41	66	59	95	77	123	95	152
5	8	24	38	42	67	60	96	78	125	96	154
6	10	25	40	43	69	61	98	79	127	97	155
7	11	26	42	44	71	62	99	80	128	98	157
8	13	27	43	45	72	63	101	81	130	99	159
9	14	28	45	46	74	64	103	82	131	100	160
10	16	29	46	47	75	65	104	83	133	200	320
11	18	30	48	48	77	66	106	84	135	300	481
12	19	31	50	49	79	67	107	85	136	400	641
13	21	32	51	50	80	68	109	86	138	500	801
14	22	33	53	51	82	69	111	87	139	600	961
15	24	34	54	52	83	70	112	88	141	700	1122
16	26	35	56	53	85	71	114	89	143	800	1282
17	27	36	58	54	87	72	115	90	144	900	1442
18	29	37	59	55	88	73	117	91	146	1000	1602
19	30										

Materials and Labor per Square of Tin Roof—Continued.

20 x 28 Flat Seam Roofing.

Table showing the square feet of "flat seam" roof for any number of sheets of 20x28 tin plate from 1 to 1000; also, showing the number of sheets of 20x28 tin plate required to lay any given "flat seam" roof varying in size from 4 feet to 3562 feet. Size of tin, 20x28; edged, 27x19; square inches exposed, 513; sheets per box, 112.

No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.
1.....	4	20.....	71	38.....	135	56.....	199	74.....	264	92.....	328
2.....	7	21.....	75	39.....	139	57.....	203	75.....	267	93.....	331
3.....	10	22.....	78	40.....	143	58.....	207	76.....	271	94.....	335
4.....	14	23.....	82	41.....	146	59.....	210	77.....	274	95.....	338
5.....	18	24.....	86	42.....	150	60.....	214	78.....	278	96.....	342
6.....	21	25.....	89	43.....	153	61.....	217	79.....	281	97.....	346
7.....	25	26.....	93	44.....	157	62.....	221	80.....	285	98.....	349
8.....	29	27.....	96	45.....	160	63.....	224	81.....	289	99.....	353
9.....	32	28.....	100	46.....	164	64.....	228	82.....	292	100.....	356
10.....	36	29.....	103	47.....	167	65.....	232	83.....	296	200.....	713
11.....	39	30.....	107	48.....	171	66.....	235	84.....	299	300.....	1069
12.....	43	31.....	110	49.....	175	67.....	239	85.....	303	400.....	1425
13.....	46	32.....	114	50.....	178	68.....	242	86.....	306	500.....	1781
14.....	50	33.....	118	51.....	182	69.....	246	87.....	310	600.....	2138
15.....	53	34.....	121	52.....	185	70.....	249	88.....	314	700.....	2494
16.....	57	35.....	125	53.....	189	71.....	253	89.....	317	800.....	2850
17.....	61	36.....	128	54.....	192	72.....	256	90.....	321	900.....	3206
18.....	64	37.....	132	55.....	196	73.....	260	91.....	324	1000.....	3562
19.....	68										

20 x 28 Standing Seam Roofing.

Table showing the square feet of "standing seam" roof for any number of sheets of 20x28 tin plate from 1 to 1000; also, showing the number of sheets of 20x28 tin plate required to lay any given "standing seam" roof, varying in size from 3 feet to 3328 feet. Size of tin, 20x28; exposed on roof, 27x17½; square inches exposed, 479½; sheets per box, 112.

No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.	No. Sheets.	Square Feet.
1.....	3	20.....	67	38.....	126	56.....	186	74.....	246	92.....	306
2.....	7	21.....	70	39.....	130	57.....	190	75.....	250	93.....	309
3.....	10	22.....	73	40.....	133	58.....	193	76.....	253	94.....	313
4.....	13	23.....	77	41.....	136	59.....	196	77.....	256	95.....	316
5.....	17	24.....	80	42.....	140	60.....	200	78.....	259	96.....	319
6.....	20	25.....	83	43.....	143	61.....	203	79.....	263	97.....	323
7.....	23	26.....	86	44.....	146	62.....	206	80.....	266	98.....	326
8.....	27	27.....	90	45.....	150	63.....	210	81.....	269	99.....	329
9.....	30	28.....	93	46.....	153	64.....	213	82.....	273	100.....	333
10.....	33	29.....	96	47.....	156	65.....	216	83.....	276	200.....	656
11.....	37	30.....	100	48.....	160	66.....	220	84.....	280	300.....	998
12.....	40	31.....	103	49.....	163	67.....	223	85.....	283	400.....	1331
13.....	43	32.....	106	50.....	166	68.....	226	86.....	286	500.....	1664
14.....	47	33.....	110	51.....	170	69.....	230	87.....	289	600.....	1997
15.....	50	34.....	113	52.....	173	70.....	233	88.....	293	700.....	2330
16.....	53	35.....	116	53.....	176	71.....	236	89.....	296	800.....	2662
17.....	57	36.....	120	54.....	180	72.....	240	90.....	300	900.....	2925
18.....	60	37.....	123	55.....	183	73.....	243	91.....	303	1000.....	3328
19.....	63										

One box (112 sheets, 14x20) roofing tin will cover 170 square feet, allowing 1 inch for lock and 1¼ inches on each side of the sheet for standing groove.

One box (112 sheets, 20x28) will cover cover 360 square feet, after making same allowance for lock and groove.

**SQUARE MEASURE.**

Inches.	Feet.	Yards.	Rod, Pole or Perch.	Rood.	Acre.
144 =	1.00				
1296 =	9.00 =	1.00			
39204 =	272.25 =	30.25 =	1		
1568160 =	10890.00 =	12.10 =	40 =	1	
6272640 =	43560.00 =	4840.00 =	160 =	4 =	1

An acre is 69.57 yards square, or 208.7 feet square. A circular acre is 235 504 feet in diameter. An acre is 1000 links square, or 10 square chains.

A township is 6 miles square=36 sections.

A section is 1 mile square=640 acres.

$\frac{1}{4}$  section is  $\frac{1}{2}$  mile square=160 acres.

$\frac{1}{16}$  section is  $\frac{1}{4}$  mile square=40 acres.

**CUBIC MEASURE.**

Cubic Inches.	Cubic Feet.	Cubic. Yard.
1728 =	1	
46656 =	27 =	1

**WOOD AND STONE MEASURE.**

Cubic Feet.

16 = 2 Cord Feet

128 = 8 Cord Feet = 1 Cord

24 $\frac{1}{2}$  = 1 Perch Masonry

96 = 1 Cord of Stone Masonry

**GUNTER'S CHAIN.**

Inches.	Links.	Chains.	Mile.
7.92 =	1		
792.00 =	100 =	1	
63360.00 =	8000 =	80 =	1

A Gunter's Chain is 66 feet long.

**LONG MEASURE.**

Inches.	Feet	Yards.	Fathoms.	Rods.	Furlongs.	Mile.
12 =	1.0					
36 =	3.0 =	1.0				
72 =	6.0 =	2.0 =	1.00			
198 =	16.5 =	5.5 =	2.75 =	1		
7920 =	660.0 =	220.0 =	110.00 =	40 =	1	
63360 =	5280.0 =	1760.0 =	880.00 =	320 =	8 =	1

A degree=69 $\frac{1}{6}$  miles.

NAUTICAL MEASURE.

Feet.	Fathoms.	Cable's Length.	Nautical Miles.	Leagues.	Degree.
6 =	1				
720 =	120 =	1			
6,086 =	1,014 $\frac{1}{3}$ =	8.452 =	1		
18,258 =	3,043 =	25.356 =	3 =	1	
365,160 =	60,860 =	507.66 $\frac{2}{3}$ =	60 =	20 =	1

60 nautical or geographical miles=1 degree=69.16 English miles.

MISCELLANEOUS.

12 lines=1 inch.	240 yards=1 cable's length.
3 barleycorns=1 inch.	20 articles=1 score.
3 inches=1 palm.	12 dozen=1 gross.
4 inches=1 hand.	12 gross=1 great gross.
18 inches=1 cubit.	

INCHES AND THEIR EQUIVALENT DECIMAL VALUES  
IN PARTS OF A FOOT.

Inches.	Fraction of Foot.	Decimal Part of Foot.	Inches.	Fraction of Foot.	Decimal Part of Foot.
1	$\frac{1}{12}$	.0833	7	$\frac{7}{12}$	.5833
2	$\frac{2}{6}$	.1667	8	$\frac{2}{3}$	.6667
3	$\frac{1}{4}$	.25	9	$\frac{3}{4}$	.75
4	$\frac{1}{3}$	.3333	10	$\frac{5}{6}$	.8333
5	$\frac{5}{12}$	.4167	11	$\frac{11}{12}$	.9167
6	$\frac{1}{2}$	.5	12	1	1.0

FRACTIONAL PARTS OF AN INCH AND THEIR EQUIVALENT DECIMAL VALUES IN PARTS OF A FOOT.

Fractions of Inch.	Decimals of Foot.	Fractions of Inch.	Decimals of Foot.	Fractions of Inch.	Decimals of Foot.
$\frac{1}{16}$	.0052	$\frac{7}{16}$	.0365	$1\frac{3}{16}$	.0677
$\frac{1}{8}$	.0104	$\frac{1}{2}$	.0417	$\frac{7}{8}$	.0729
$\frac{3}{16}$	.0156	$\frac{9}{16}$	.0469	$1\frac{5}{16}$	.0781
$\frac{1}{4}$	.0208	$\frac{3}{8}$	.0521	1	.0833
$\frac{5}{16}$	.0260	$1\frac{1}{16}$	.0573	.....	.....
$\frac{3}{8}$	.0313	$\frac{3}{4}$	.0625	.....	.....

LIQUID OR WINE MEASURE.

Gills.	Cu. In.	Pints.	Quarts.	Gallons.	Hogshead.	Pipe.	Tun.
1	7.2						
4	28.875 =	1					
8	57.75 =	2	1				
32	..... =	8	4	1			
2016	..... =	504	252	63	1		
4032	..... =	1008	504	126	2	1	
8064	..... =	2016	1008	252	4	2	1

A barrel= 31  $\frac{1}{2}$  gallons.



**DRY MEASURE.**

Pints.	Cubic Inches.	Quarts.	Gallons.	Pecks.	Bushel.
1	= 56.6				
2	= 67.2	= 1			
8	= 268.8	= 4	= 1		
16	= 537.6	= 8	= 2	= 1	
64	= .....	= 32	= 8	= 4	= 1

A bushel=2150.42 cubic inches. A cubic foot=.8 bushel.

To find the capacity of a Bin in bushels, multiply number of cubic feet by .8, and the result is the number of bushels.

**AVOIRDUPOIS WEIGHT.**

Drams.	Ounces.	Pounds.	Quarters.	Hundred-weights.	Ton.
16	= 1				
256	= 16	= 1			
6,400	= 400	= 25	= 1		
25,600	= 1,600	= 100	= 4	= 1	
512,000	= 32,000	= 2,000	= 80	= 20	= 1

An ounce=437.5 grains Troy. A pound=1.2153 pounds Troy.

**TROY WEIGHT.**

Grains.	Penny-weights.	Ounces.	Pound.
24	= 1		
480	= 20	= 1	
5760	= 240	= 12	= 1

A pound Troy=22.816 cubic inches of distilled water.

**APOTHECARY'S WEIGHT.**

Grains.	Scruples.	Drams.	Ounces.	Pound.
20	= 1			
60	= 3	= 1		
480	= 24	= 8	= 1	
5760	= 288	= 96	= 12	= 1

**APOTHECARY'S MEASURE.**

Minims.	Fluid Drams.	Fluid Ounces.	Pints.	Gallon.
60	= 1			
480	= 8	= 1		
7,680	= 128	= 16	= 1	
61,440	= 1024	= 128	= 8	= 1

## METRIC MEASURES OF LENGTH.

Millimetres.	Centimetres.	Decimetres.	Metres.	Dekametres.	Hectometres.	Kilometres.	Myriametres.
10 =	1 =	0.3937 inches					
100 =	10 =	1 =	3.937 inches				
1,000 =	100 =	10 =	1 =	3.2809 feet			
10,000 =	1,000 =	100 =	10 =	1 =	32.809 feet		
100,000 =	10,000 =	1,000 =	100 =	10 =	1 =	328.09 feet	
1,000,000 =	100,000 =	10,000 =	1,000 =	100 =	10 =	1 =	0.62137 miles
10,000,000 =	1,000,000 =	100,000 =	10,000 =	1,000 =	100 =	10 =	1 = 6.2137 miles

## METRIC MEASURES OF SURFACE.

A table of metric measures of surface is obtained from the foregoing table by squaring the numbers, and placing the word "square" before each of the names, thus 100 square millimetres = 1 square centimetre.

Some Common Metric Denominations.

Hectare	=	10,000 square metres	=	2.471 acres.
Are	=	100 square metres	=	119.6 square yards.
Centare	=	1 square metre	=	10.7643 square feet.

## METRIC MEASURES OF CAPACITY.

Milliliter.	Centiliter.	Deciliter.	Liter.	Dekaliter.	Hectoliter.	Kiloliter.
10 =	1					
100 =	10 =	1				
1,000 =	100 =	10 =	1			
10,000 =	1,000 =	100 =	10 =	1		
100,000 =	10,000 =	1,000 =	100 =	10 =	1	
1,000,000 =	100,000 =	10,000 =	1,000 =	100 =	10 =	1

Dry Measure.

1 Milliliter	=	.061 cubic inches
1 Centiliter	=	0.6102 " "
1 Deciliter	=	6.102 " "
1 Liter	=	0.908 quarts
1 Dekaliter	=	9.08 " "
1 Hektoliter	=	2. bushels and 3.35 pecks
1 Kiloliter	=	1.308 cubic yards

Wine Measure.

.27	fluid drams
.338	fluid ounces
0.845	gill
1.0567	quarts
2.6417	gallons
26.417	" "
264.17	" "

## METRIC MEASURES OF WEIGHT.

Milligram.	Centigram.	Decigram.	Gram.	Dekagram.	Hektogram.	Kilogram.	Myriagram.	Quintal.	Millier
10 =	1								
100 =	10 =	1							
1,000 =	100 =	10 =	1						
10,000 =	1,000 =	100 =	10 =	1					
100,000 =	10,000 =	1,000 =	100 =	10 =	1				
1,000,000 =	100,000 =	10,000 =	1,000 =	100 =	10 =	1			
10,000,000 =	1,000,000 =	100,000 =	10,000 =	1,000 =	100 =	10 =	1		
100,000,000 =	10,000,000 =	1,000,000 =	100,000 =	10,000 =	1,000 =	100 =	10 =	1	
1,000,000,000 =	100,000,000 =	10,000,000 =	1,000,000 =	100,000 =	10,000 =	1,000 =	100 =	10 =	1

Avoirdupois Weight.

1 Milligram	=	.0154 grains		
1 Centigram	=	.1543 " "		
1 Decigram	=	1.5432 " "		
1 Gram	=	15.432 " "	1	
1 Dekagram	=	.3527 ounces	1	centiliter
1 Hektogram	=	3.5274 " "	1	deciliter
1 Kilogram	=	2.2046 pounds	1	liter
1 Myriagram	=	22.046 " "	1	dekaliter
1 Quintal	=	220.46 " "	1	hektoliter
1 Millier	=	2204.6 " "	1	cubic metre

Quantity of Water.

A Kilogram is commonly called a Kilo.

# TABLE FOR FACILITATING APPROXIMATE CALCULATIONS FROM THE METRIC TO THE ENGLISH SYSTEM OF WEIGHTS AND MEASURES.

Feet.	Metres.	Feet.	Metres.	Pounds, Avoirdupois.	Kilograms.	Pounds, Avoirdupois.	Kilograms.
1	0.30	3.28	1	1	0.45	2.20	1
2	0.61	6.56	2	2	0.91	4.41	2
3	0.91	9.84	3	3	1.36	6.61	3
4	1.22	13.12	4	4	1.81	8.82	4
5	1.52	16.40	5	5	2.26	11.02	5
6	1.83	19.69	6	6	2.72	13.23	6
7	2.13	22.97	7	7	3.18	15.43	7
8	2.44	26.25	8	8	3.62	17.64	8
9	2.74	29.53	9	9	4.08	19.84	9

U. S. Gallons.	Imperial Gallons.	Litres.	Cubic Metres.	U. S. Gallons.	Imperial Gallons.	Litres.	Cubic Metres.
1	0.83	3.79	0.0038	1.20	1	4.54	0.0045
2	1.67	7.57	0.0076	2.40	2	9.08	0.0091
3	2.50	11.36	0.0114	3.60	3	13.63	0.0136
4	3.33	15.14	0.0151	4.80	4	18.17	0.0182
5	4.17	18.93	0.0189	6.00	5	22.71	0.0227
6	5.00	22.71	0.0227	7.20	6	27.26	0.0273
7	5.83	26.50	0.0265	8.40	7	31.80	0.0318
8	6.66	30.38	0.0303	9.60	8	36.34	0.0363
9	7.50	34.07	0.0341	10.80	9	40.89	0.0409

U. S. Gallons.	Imperial Gallons.	Litres.	Cubic Metres.	Miles.	Kilometres.	Miles.	Kilometres.
0.26	0.22	1	0.001	1	1.61	0.62	1
0.53	0.44	2	0.002	2	3.22	1.24	2
0.79	0.66	3	0.003	3	4.83	1.86	3
1.05	0.88	4	0.004	4	6.44	2.49	4
1.32	1.10	5	0.005	5	8.05	3.11	5
1.58	1.32	6	0.006	6	9.66	3.73	6
1.85	1.54	7	0.007	7	11.27	4.35	7
2.11	1.76	8	0.008	8	12.87	4.97	8
2.38	1.98	9	0.009	9	14.48	5.59	9

## MENSURATION OF SURFACES.

- Area of any parallelogram=base multiplied by perpendicular height.  
 Area of any triangle=base multiplied by  $\frac{1}{2}$  perpendicular height.  
 Area of any circle=diameter squared, multiplied by .7854.  
 Area of sector of circle=arc multiplied by  $\frac{1}{2}$  of radius.  
 Area of segment of circle=area of sector of equal radius, less area of triangle.  
 Area of parabola=base multiplied by  $\frac{2}{3}$  of height.  
 Area of ellipse=longest diameter multiplied by shortest diameter, multiplied by .7854.  
 Area of cycloid=area of generating circle multiplied by 3.  
 Area of any regular polygon=sum of its sides multiplied by perpendicular from its center to one of its sides divided by 2.  
 Surface of cylinder=area of both ends plus length multiplied by circumference.  
 Surface of cone=Area of base plus circumference of base multiplied by  $\frac{1}{2}$  slant height.  
 Surface of sphere=diameter squared, multiplied by 3.1416.  
 Surface of frustum=sum of girt at both ends multiplied by  $\frac{1}{2}$  slant height plus area of both ends.  
 Surface of cylindrical ring=thickness of ring added to the inner diameter multiplied by the thickness, multiplied by 9.8698.  
 Surface of segment=height of segment multiplied by whole circumference of sphere of which it is a part.

## PROPERTIES OF THE CIRCLE.

- Circumference of a circle=diameter multiplied by 3.1416.  
 Circumference of a circle=radius multiplied by 6.2832.  
 Circumference of an oval= $\frac{1}{2}$  sum of two diameters multiplied by 3.1416.  
 Side of an equal square=diameter multiplied by .8862.  
 Side of an inscribed square=diameter multiplied by .7071.  
 Area of a circle=diameter squared, multiplied by .7854.  
 Diameter of a circle=circumference divided by 3.1416.  
 The circle contains a greater area than any plane figure bounded by an equal perimeter or outline.  
 The areas of circles are to each other as the squares of their diameters.  
 Any circle whose diameter is double that of another contains four times the area of the other.  
 Area of a circle is equal to the area of a triangle whose base equals the circumference, and perpendicular equals the radius.

## MENSURATION OF SOLIDS.

- Cylinder's contents=area of one end multiplied by length.  
 Sphere's contents=cube of diameter multiplied by .5236.  
 Segment of sphere=square root of height added to three times the square of radius of base multiplied by height and by .5236.  
 Cone or pyramid=area of base multiplied by  $\frac{1}{3}$  perpendicular height.  
 Frustum of a cone=product of diameter of both ends plus sum of their squares multiplied by perpendicular height, multiplied by .2618.  
 Solidity of a wedge=area of base multiplied by  $\frac{1}{2}$  perpendicular height.  
 Frustum of a wedge= $\frac{1}{2}$  perpendicular height multiplied by sum of the areas of the two ends.  
 Solidity of a ring=thickness plus inner diameter multiplied by square of the thickness, multiplied by 2.4674.

**HYDROSTATIC TABLES.**

1 cubic inch of water weighs .03617 pounds.

1 cubic foot of water weighs 62.46 pounds.

1 gallon of water weighs  $8\frac{1}{2}$  pounds.

1 gallon of water contains 231 cubic inches.

1 cubic foot of water contains  $7\frac{1}{2}$  gallons.

1 cubic foot of water contains 1728 cubic inches.

**Valuable Formulae.**—From the foregoing rules and equivalents may be deduced the following Concise Formulae for computing the Capacity, Required Power, and Speed of Pumps:

Let

D=diameter of pump cylinder in inches.

S=length of stroke in inches.

N=number of strokes per minute.

Q=quantity of water raised per minute in gallons.

H=height in feet water is elevated from surface, or height of column of water.

Then

$D^2 \times .7854$ =the area of a circle (of cylinder) of a given diameter.

$D^2 S \times .7854$ =capacity of pump per stroke in cubic inches.

$\frac{D^2 S \times .7854}{231}$ =capacity of pump per stroke in gallons.

$\frac{D^2 S \times .7854}{1728}$ =capacity of pump per stroke in cubic feet.

$\frac{D^2 S \times .7854 \times 8.355}{231}$ =capacity of pump per stroke in pounds of water.

$D^2 S \times .7854 N$ =capacity of pump per minute in cubic inches.

$\frac{D^2 S \times .7854 N}{231}$ =capacity of pump per minute in gallons=(Q).

$\frac{D^2 S \times .7854 N}{1728}$ =capacity of pump per minute in cubic feet.

$\frac{QH \times 8.355}{33,000}$ =horse power required to elevate a given quantity of water per minute to a certain height.

$H \times .434$ =pounds pressure (per square inch) of a column of water.

















